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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 154 No. 22 November 29, 1948

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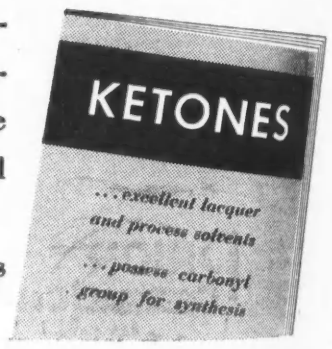

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Oil, Paint and Drug Reporter

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Tariff Commission Issues Additional Chemical Data

The United States Tariff Commission last week issued two more of its series of summaries of tariff information on chemicals, oils and paints, which are being prepared at the request of the house ways and means committee. These summaries contain, for the various commodities, statistical data on United States production, imports and exports, tariff rates, and other information pertinent to an understanding to the conditions of competition between imports and domestic production.

Information on the chemical schedule of the Tariff Act of 1930 is contained in volume 1 of the summaries, which is being printed in six parts. Parts 1, 3 and 6 are now available and the other three parts will be ready in a few days. All of the other schedules of the tariff act are being covered in the same manner and the summaries for many of them have already been released.

The chemicals, oils and paints volume, in six parts as listed below, contains summaries on products covered in paragraphs 1 to 97, inclusive, of the tariff act, and paragraphs 1612, 1659, 1710, 1730, 1732, 1733, 1753 and 1781 of the free list:—

Part 1. Non-coaltar acids, alcohols, resins, and medicinals; and miscellaneous chemicals. Paragraphs 1 to 18, inclusive.

Part 2. Principally coaltar products, cellulose compounds and non-coaltar esters and ethers. Paragraphs 19 to 37, inclusive.

Part 3. Principally tanning materials, glues, gelatine, and salt of magnesium and lead. Paragraphs 38 to 51, inclusive.

Part 4. Fats and oils, including essential oils and perfume materials. Paragraphs 52 to 62, inclusive, 1730 and 1732.

Part 5. Principally pigments, paints, soaps, starches, and compounds of sodium, potassium, copper and zinc. Paragraphs 63 to 97, inclusive, 1612, 1659, 1753 and 1781.

Part 6. Crude petroleum and petroleum products. Paragraphs 1710 and 1733.

Soap Companies Deny FTC Pricing Charges

Lever Brothers Company, Procter & Gamble Company, Procter & Gamble Distributing Company and Colgate-Palmolive-Peet Company have denied charges of price discrimination in the sale of soap products, in answer to identical complaints issued by the Federal Trade Commission.

The complaints alleged that rebates are granted by each corporation to certain customers when changes are made in the current selling price of one or more products. Charging that the corporations "fail and refuse" to grant the rebates to other purchasers who compete in the resale of soap products, the complaints alleged that small businessmen are thus charged higher prices than other larger competing customers for products of like grade and quality.

Although each corporation admitted that rebates are granted to certain purchasers when changes are made in the sales price, all denied that the practice is in violation of the Clayton Antitrust Act, as amended by the Robinson-Patman Act, according to FTC.

Rate Making Control Law Repeal Opposed by Truckers

Strong opposition to current efforts to repeal the Reed-Bullwinkle collective rate making control law was voiced before the small business committee of the house last week by Edgar S. Idol, general counsel for the American Trucking Associations, Inc.

Mr. Idol told the committee that the law is necessary "to protect our only practical method of determining and publishing reasonable rates for the transportation of property, and to protect us against expensive and humiliating prosecutions."

Belgium Gets ECA Loan

Signing of a loan agreement with Belgium for $47,000,000 was announced November 24 by the Economic Cooperation Administration. It was the thirteenth and last of the ECA loans programmed during the period April-December, 1948, for Marshall plan nations qualified for loan assistance, and raises the total of such loans to $837,300,000.

Biologicals Regulations Studied for Revision

The Bureau of Animal Industry of the Department of Agriculture announced November 20 that it is considering revising the regulations relating to viruses, serums, toxins, and analogous products. Persons interested in the revisions were invited to submit their comments to the chief of the bureau within twenty-one days.

The purpose of revisions is to clarify, to extend in a few particulars, and to consolidate into one document the present regulations and instructions issued under the virus-serum-toxin act and section 2 of the act of February 2, 1903. The new regulations will reflect practices that have developed through experience in dealing with problems of production and importation of the products.

Palm Kernel, Olive Oil To Be Licensed by PMA

The Department of Agriculture announced November 24 that the Production and Marketing Administration will grant, upon application, licenses for the importation of 5,000 metric tons of palm kernel oil or palm kernels (oil equivalent) and 1,500 metric tons of olive oil. These quantities are in addition to those announced by the department November 10.

The 5,000 metric tons of palm kernels or palm kernel oil are from reserves set up by the International Emergency Food Committee. Licenses will be granted for importation from any source, but no individual license will be in excess of 1,000 tons of palm kernel oil or the equivalent in palm kernels.

The importation of the 1,500 metric

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Petroleum Products Export Quotas Set for 4th Quarter

Export quotas for petroleum products for the fourth quarter of 1948 have been announced by the Office of International Trade. The quotas, listed in "Current Export Bulletin No. 495" are as follows:

Crude oil, 2,000,000 barrels; aviation motor fuel, 1,570,000 barrels; other motor fuel, 4,710,000 barrels; kerosene, 450,000 barrels, and gas oil and distillate fuel oil, 4,000,000 barrels.

Nitrogen for Occupied Areas Will All Be Army Product

Nitrogen fertilizer supplies for the occupied areas are to be made available solely from production of the army ordnance plants, said Tracy S. Voorhees, assistant Secretary of the Army, denying a statement made at the Atlanta meeting of the National Fertilizer Association that the army plans to call for aid from private industry in meeting its overseas fertilizer needs (see OPD for November 22, page 41).

Mr. Voorhees said that "the army's plans for export of nitrogen to the occupation areas, the purpose of which is to cut down the amount of food which must be exported at the expense of the American taxpayer, do not include any purchase whatsoever of nitrogen fertilizer from commercial sources in the United States nor do they contemplate the use for export to occupied areas of the entire output of nitrogen from army's own fertilizer plants."

"In its forecast for the coming year," he continued, "the army plans to conform to public law 793 which requires that 50 percent of nitrogen fertilizer materials exported from the United States to other than occupied areas will come from army ordnance plants and 10 percent of their production of anhydrous ammonia will go to the American farmer. Such requirement has greatly cut the ability of the Department of the Army this year even to approach filling the minimum requirements of the occupied areas, but this deficit will be somewhat reduced by next Summer through improvements now underway in army-owned facilities.

"The statement that the army plans an increase of nitrogen exports to the occupied areas of such magnitude that it will necessitate not only use of all nitrogen output of the army-owned ordnance plants but will also require the commandeering of commercial production is absolutely without foundation."

Nitrogenates Export Deadlines Extended

The Office of Domestic Commerce announced November 23 that it was abandoning the requirement of its regulations that not more than 25 percent of the nitrogen fertilizer allocated to foreign countries by the International Emergency Food Committee could be shipped from the United States after January 1.

All certified export orders for nitrogenous fertilizer materials placed prior to November 23 were revalidated, regardless of deadline dates previously set. December 15 was also fixed as a new deadline date for placing of certified orders for shipment abroad, and the period during which converters participating in the export program may place approved priority orders for anhydrous ammonia was extended until December 31.

The changes were effected by amendment of direction 4A to allocations regulation 2. As originally drawn the aim of that direction was to make certain that the bulk of the exports of nitrogen under the IEFC program were shipped out of the United States before the end of the year so that there would be a minimum of interference with deliveries to American farmers next planting season. The order specified that 75 percent of the foreign order be filled before January 1 and in no event could more than 25 percent of the order be delivered after January 1. Orders for 75 percent of the exports had to

—Continued on page 38

Ball Leaving Interior Dept.

Max O. Ball, director of the oil and gas division of the Department of the Interior, has resigned, effective December 1, to return to private life as a geologist and petroleum engineer. Mr. Ball will make his offices in Washington. Robert Friedman, associate director of the division, will be in charge until the vacancy is filled.

Basing Point Hearings To Be Resumed Today

Hearings will be resumed today before the Capehart committee of the senate on the effects on industry pricing practices of the basing point decision of the Supreme Court in the Cement Institute case. Several representatives of the chemical and allied industries and government departments are scheduled to be heard during the hearings, which will continue through the week.

The tentative list of witnesses includes the following: Robert D. Pike, Westvaco Chemical Corporation, Stanford, Conn.; G. B. Hadlock, Office of Rubber Reserve, RFC; W. E. Hayghe, Federal Bureau of Supply; John D. Conner, National Association of Insecticide and Disinfectant Manufacturers; D. K. Brown, Neenah Paper Company, Neenah, Wis.; Edward P. Magel, Crescent Paper Company, Indianapolis; Lewis S. Gaynor, Gaynor Glass Works, Salem, N. J.; Bert Cremer, Wyandotte Chemicals Corporation, Wyandotte, Mich.; Roland V. Redman, Anderson Prichard Oil Corporation, Oklahoma City; Corwin D. Edwards, Federal Trade Commission, and Harry E. Milton, Milton Oil Company, St. Louis, Mo.

Nonferrous Metals Quotas Cut for Fourth Quarter

Fourth quarter export quotas for nonferrous metals, minerals and manufactures, as announced November 22 by the Office of International Trade, are, in the main, substantially lower than those for previous quarters. The quota for zinc slabs, pigs and blocks has been reduced 75 percent, and substantial reductions were made in quotas for other metals.

Officials of the agency said that the reductions reflect both increased domestic demand and lower requirements by importing nations. In some cases, they added, the decreased foreign demand has been caused by dollar shortages in the importing countries.

Drug Manufacturers Study Quality Control

A committee on quality control to draw up plans for a survey and report for the guidance of the drug manufacturing industry in producing drugs of the best quality was set up by the Combined Pharmaceutical Contact Committee at its recent meeting in Washington. The aims of the committee would be similar to those of the other committee that recently issued its report on sanitary control in the drug industry.

Price Trend Moves Upward

All net price movements by groups were upward last week in the markets for chemicals, oils, and drugs. Among individual commodities, there were about 60 percent as many reductions as advances. On either side only two—alcohol down and quicksilver up—were either large or of primary importance. Metallic salts were the major influence, although many of their expected boosts were not yet made. The fats and oils market was slightly higher.

The general price index number for all groups of the markets was raised 0.2 point. It stood 6.4 points below the comparable 1947 level.

Industrial ethyl alcohols got another depressing, ranging from 2½ cents to more per gallon. N.F. ethyl acetate was reduced on the tail of the previous week's cut in alcohol; so was shellac solution.

Quicksilver came in line with the uplifted barium, lead, and zinc salts and cadmium lithopones, but mercurials were not yet advanced. Silver and its nitrate were further reduced. Calcium carbide was higher. Ephedrine and its salts were on the upside, along with two sulfa drugs and medicinal methylene blue. Penicillin and aminophyllin were reduced. Corn oil and tung oil were on the downside; degras was raised enough to out-balance them.

Botanical drugs were a bit weaker but not enough to affect their index. Aromatic botanicals were on a seesaw, varieties of the same stuff being on each side. Aromatic oils were quiet. Feeder demands pushed linseed and menhaden meals and tankage higher. Gum arabic and potato starch were raised, imported casein was cut, in seasonal anticipation. An advance on valonia was a bit out of the ordinary, laid to a short crop in Turkey.

It was generally agreed that the first of November would bring a number of notices of price advances. Lead and zinc driers, asbestos fibers, petroleum products, cyanamide, paracresol, and coaltar intermediates are among the materials mentioned in that connection. Other expected boosts probably will not eventuate if the dock strike is ended, but that would add more to the weakness of spices from abroad. The truck strike also was creating fidgetiness here and there.

OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Nov. 26, 1948	Nov. 19, 1948	Nov. 28, 1947
144.4	144.4	150.7

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1948	1947	1946	1945	1941
January	150.4	150.9	135.3	133.0	107.8
February	147.2	151.9	135.4	133.2	110.3
March	146.2	154.9	135.2	132.7	111.9
April	146.2	152.3	134.9	132.2	115.5
May	146.7	146.1	135.1	132.5	118.2
June	147.3	143.9	135.4	132.5	121.9
July	145.9	142.5	137.7	133.5	125.5
August	144.4	140.4	136.6	133.9	123.2
September	144.3	141.9	137.0	134.0	130.4
October	143.7	146.1	135.1	133.5	133.2
November	144.4	149.7	149.2	134.0	135.1
The year	*146.1	147.6	133.8	133.8	123.2

* Eleven months.

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Superphosphate Sought For Soil Conservation

Invitations were mailed out to the fertilizer industry by the Department of Agriculture November 24 seeking offers for the purchase by the department of a quantity of superphosphate which will be needed for the 1949 growing season by farmers cooperating in the soil conservation program in the states of Iowa, Michigan, Indiana, Tennessee, Kentucky, West Virginia and Virginia.

Officials said that the department hopes to purchase about 55,000 or 56,000 tons of superphosphate under the bid offerings, which will be opened on December 9. These purchases, they added, are expected to complete the purchase plan of the department for the 1949 growing season. The department made a purchase of about the same amount of superphosphate to meet the needs of the New England and California farmers under a bid opened August 19.

The purchases by the department are but a small part of the total amount of fertilizer consumed by the farmers in the soil conservation program. The bulk of the purchases are made by the farmers themselves at prices no higher than those set by the state committees of the soil conservation service.

Fats, Oils Supplemental Export Quotas Announced

The Production and Marketing Administration, Department of Agriculture, has approved the following supplemental export allocations:—

Cuba has been allocated 3,000,000 pounds of lard as an advance against its January-March, 1949, allocation—commercial procurement.

Mexico has been allocated 10,000,000 pounds of certified cottonseed for planting purposes—commercial procurement.

India has been allocated 185,000 pounds of "other inedible fats and oils"—commercial procurement.

The Department of the Army has been allocated 880,000 pounds of industrial solid soap (fat content, not to exceed 63 percent, 554,000 pounds)—commercial procurement.

Edible Oil Institute Formed in New York

The Edible Oil Institute, Inc., has been formed in New York to "foster, advance, preserve and improve the integrity and stability of the edible oil industry and to promote and maintain honest standards in the production, purchasing and marketing of edible oils and blends thereof."

The institute plans to work out a seal of approval for edible oils and a system of certification for the blending of various batches. Directors named to serve until the first annual meeting of the organization are Arthur D. Herrick, Anthony P. Mule, Benny DiCarlo, Anthony F. Rinaldi and Anthony Castello.

In addition to promoting standards and

—Continued on page 77

Hilton-Davis Appoints Exclusive Paint Outlet

The Hilton-Davis Chemical Company Division, Cincinnati, Ohio, has appointed the Greenwald-Bertemes Company, Norwood, Ohio, exclusive United States distributor of the products which it manufactures for the paint, lacquer and allied industries.

Taylor C. Greenwald and Phillip Bertemes, officers of the Greenwald-Bertemes Company, have handled the distribution of the manufacturing company's paint and lacquer products in the midwest for the past several years. The Greenwald-Bertemes organization is located at 2089 Sherman avenue, Norwood 12, Ohio.

Ferro Chemical Elects C.D. Clawson President

The Ferro Chemical Corporation, Cleveland, Ohio, subsidiary of the Ferro Enamel Corporation, has elected C. D. Clawson, president, to succeed the late W. B. Lawson. At the same time, the company announced that on December 1 it will centralize all its operations at its Bedford, Ohio, plant, moving its sales and administration departments from Cleveland.

Other officers of the corporation are:—executive vice-president, F. S. Markert; treasurer, G. W. Wallace; assistant to the president, S. B. Elliott, and vice-president, D. L. Cable.

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McK.&R. Plans Purchase Of Alexander Drug Assets

McKesson & Robbins, Inc., drug manufacturer, New York, is negotiating for the purchase of the assets of the Alexander Drug Company, Oklahoma City, Okla., according to William J. Murray, jr., and L. I. Fitschen, presidents of the two organizations.

Stockholders of the Alexander Drug Company approved the provisions of a sales contract looking to the transfer of the company's assets to McKesson & Robbins at a recent meeting, according to the announcement, but it is not expected that the sale can be consummated finally for a matter of about three months, pending the working out of certain details and legal matters.

Hardy Forms Department For Domestic Sales Help

M. W. Hardy & Co., distributor of chemicals, vegetable oils and allied products, New York, has formed a new domestic sales department, and has named Theodore Riedeburg manager. The new department will be particularly interested in working with producers and compounders of insecticides, fungicides and herbicides, but will represent all chemical manufacturers who desire sales assistance in both regular line and specialty products.

Tetraethyl Lead Prices Increased by du Pont Co.

E. I. du Pont de Nemour & Co., Wilmington, Del., has announced an increase of approximately 7 percent in the price of tetraethyl lead antiknock compounds for gasoline, effective February 1, 1949. The new prices will be about 38.9 cents per pound for tetraethyl lead compound-motor mix, and 42.2 cents per pound for antiknock compound-aviation mix.

Aluminum Reduction Plant Up for Sale or Lease

The aluminum reduction plant at Riverbank, Cal., which was designed to produce 108,000,000 pounds of aluminum for World War II use, is being offered for sale or lease by the Federal Works Agency, with approval of the Munitions Board. Disposal of the plant will be handled by the Division of Industrial Properties, PBA, Washington, which is asking for sealed proposals for purchase or lease to be received until 3:00 p.m., January 12, 1949.

Worthley Gets Military Research Group Post

Dr. Harlan N. Worthley, director of the agricultural and textile chemicals research department of Merck & Co., Rahway, N. J., has been appointed executive director of the committee on chemical warfare of the Research and Development Board, National Military Establishment. Dr. W. Albert Noyes, jr., chairman of the committee, announced that Dr. Worthley will assume his duties January 3.

Geatty Plans Retirement From National Lead Co.

C. A. Geatty, a director of National Lead Company, New York, and manager of its metal department since 1942, who will retire at the end of this year, was recently guest of honor at a dinner tendered by directors and executives of the company.

Mr. Geatty joined the John T. Lewis & Brothers Company, Baltimore, now a subsidiary of National Lead Company, in 1899. He became assistant manager of the Baltimore branch of National Lead in 1928, and manager of the Atlantic branch metal division five years later. In 1938 he became company manager of metal sales, and in 1940 was elected a director and member of the executive committee.

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ECA Announces Additional Procurement Authorizations

Procurement authorizations totaling $150,982,707 were announced during the week ended November 24 by the Economic Cooperation Administration, which raised the accumulated total of such authorizations to date to $3,761,834,885. Of the new authorizations, $106,181,995 was for purchases of materials in the United States. Among the authorizations for purchases in this country were the following:—

To Austria—$1,000,000 for oil cake and meal. A previous authorization for purchase of coaltar products was reduced by $9,999.

To Belgium—Previous authorizations of $1,285,000 for soybeans, $1,164,600 for crude soybean oil, and $1,056,000 for lard were cancelled.

To Bizone Germany—$412,000 for naval stores. A previous authorization of $1,073,200 for chemicals was cancelled.

To Denmark—$535,000 for soybeans and $1,184,000 for oilcake and meal.

To France—$1,344,700 for well drilling and oil refining equipment.

To Greece—$335,000 for oilcake and meal.

To Ireland—$525,100 for chemicals and related products; $2,609,300 for liquid petroleum products; $65,000 for nonmetallic minerals; $38,000 for oilcake and meal; $50,000 for naval stores, and $80,310 for waste tinplate.

To Italy—$74,000 for hides and skins, and $1,000,000 for crude oil and petroleum products.

To Netherlands—$750,000 for electrolytic copper.

To United Kingdom—$26,400,000 for crude oil and petroleum products, $200,000 for phosphate rock, and $2,000,000 for naval stores.

To Trieste—$53,000 for lard.

To Sweden—$1,231,376 for liquid petroleum products, and $901,448 for non-metallic minerals (electric porcelain, abrasives, sulphur, laboratory glassware, and carborundum).

Ethylene Oxide Freight Rate Ruling Announced

A special rate of 83 cents per 100 pounds for the movement of ethylene oxide in tankcar loads by railroad to Texas City, Tex., to Charleston, W. Va., over circuitous routes by way of Chicago was approved last week by the Interstate Commerce Commission. The rate is the same as that now being charged on the movement of this material to the same destination over more direct routes.

The commission's approval of the new rate was contained in its report on fourth section application number 23310. The special rate was sought by the carriers so that this traffic could be moved via Chicago in order to reduce their empty car movements northbound from Texas points.

In another action last week, the commission held that Hilton-Davis Chemical

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Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Candle manufacturers—Ceylon, Greece, New Zealand.
Hospitals—Bahamas.
Ceramic manufacturers—Switzerland.
Ice plants—Chile, Morocco.
Medicinal and toilet preparation importer dealers—France.
Oil (animal, fish, vegetable) importers, dealers, producers, refiners, exporters—Denmark.
Paint and varnish, importers, dealers—Hongkong.
Photographic supply dealers—Philippines.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Dihydroxyanthranol.
6-7, Dihydroxybenzofuranone.
Di (alphaphenylethyl) ether.
Di-tertiary-butoxydiaminosilane.
Methoxybutyl acetate.
Methyl parastearylaminophenyltrimethyl ammonium.
Myristyl sodium sulphonate.
Nordihydroquaretic acid.
Potassium tetraoxide.
Sulphydryl pentathionate.
Tetracresylsilicate.
Trimethylcetylammonium pentachlorostannate.
Triphenyl phosphine.
Vinyl phosphate.
Zinc-diethyl.

Natural Resources Probe Shelved by Senate Group

The resources subcommittee of the senate committee on interior and insular affairs has postponed all further hearings on the nation's natural resources indefinitely. Hearings had been scheduled for January 18, 19, and 20, with developments in the field of synthetic liquid fuels picked as the principal topic of the series.

Announcement of abandonment of the hearings was made by Senator Joseph O'Mahoney of Wyoming, who is slated to become chairman of the subcommittee when the Democrats take over control of the senate next session. He said that the hearings were being called off because (1) the new committee has not been organized and the new members who may be assigned to the committee in the Eighty-first Congress have not yet been selected; it would be premature to act without their participation; (2) the Hoover commission is now in the process of preparing its report on government reorganization; the so-called "task forces" of this group have given considerable attention to the organization of the Department of the Interior and to the problem of minerals; until this report has been made to Congress hearings should not be held.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office:—

Arsenic, Porto Alegre, Brazil (CV-1).
Calcium chloride, Toronto, Canada (CV-6).
Caustic soda, Porto Alegre, Brazil (CV-1); Recife, Brazil (CV-2, agency).
Chemicals, Rio de Janeiro, Brazil (CV-3, agency); Sao Paulo, Brazil (CV-5, agency); Brussels, Belgium (CV-9, agency); Frankfurt-am-Main, Germany (CV-12, agency); Worplesdon, England (CV-13, agency); Hamburg, Germany (CV-14).
Essential oils, Hamburg, Germany (CV-7).
Fats and oils, animal and vegetable, Hamburg, Germany (CV-14).
Fuel oil, Toronto, Canada (CV-10, agency).
Glauber salts, Toronto, Canada (CV-6).
Lubricants, Turin, Italy (CV-8).
Oilseeds, London, England (CV-11, agency).
Oyster shells, Toronto, Canada (CV-6).
Ozokerite, Hamburg, Germany (CV-7).
Pharmaceutical products, Belo Horizonte, Brazil (CV-4, agency); Sao Paulo, Brazil (CV-5, agency).
Potassium muriate, Recife, Brazil (CV-2, agency).
Rosin, Rio de Janeiro, Brazil (CV-3, agency).
Soda ash, Recife, Brazil (CV-2, agency).
Sodium bichromate, Recife, Brazil (CV-2, agency).
Sunflower seeds, London, England (CV-11, agency).
Tallow oil, London, England (CV-11, agency).
Tanning materials, Dungarvan, Ireland (CV-15).
Vegetable oils, London, England (CV-11, agency).
White oils, Hamburg, Germany (CV-7).

Gets Koppers Sales Post

Carl H. Pottenger has been appointed assistant sales manager of the Chemical division of the Koppers Company, Pittsburgh. He has been assistant manager of the plastics department of the American Cyanamid Company since 1947, and was formerly a vice-president of the Pennsylvania Coal Products Company, Petrolia, Pa., which was recently purchased by the Koppers Company.

Drug Misbranding Effected By Sales-Promoting Literature

The Supreme Court of the United States, November 22, held that literature pertaining to an article subject to the provisions of the Federal food, drug, and cosmetic act is a part of the labeling of the article as long as there is a textual relationship. The timing of the movement of one and the other in interstate commerce is of secondary importance to what is said in the literature about the article in question.

The new ruling which vastly broadens the meaning of the word, "accompany," as used in the act in relation to misbranding of articles, was handed down in the case of Lelord Kordel vs United States and confirmed in the case of United States vs. Fred Urbuteit. The court split five-to-four, however, with the minority contending that the label had to have some relationship to the interstate journey of the article.

The facts of the cases were these:—

Kordel writes and lectures on health foods. Since 1941 he has been marketing his own health food products. The alleged misbranding consisted of statements in circulars or pamphlets relating to their efficacy, distributed to consumers by the vendors of the products. Some of the literature was displayed in stores in which the petitioner's products were on sale. Some of it was given away with the sale of products; some sold independently of the products; and some mailed to customers by the vendors.

Urbuteit was the claimant of a device allegedly offered as an aid in the diagnosis and cure of various diseases and physical disorders. He followed up the shipment of these machines in interstate commerce with leaflets explaining the usefulness of the device in the diagnosis, treatment, and cure of various diseases.

In neither case did the literature, which the court held to be part of the labeling and thus to cause the articles to be misbranded, "accompany" the movement of the articles in interstate commerce. In the Kordel case some of the literature involved had been shipped eighteen months after the article had been shipped.

Interdependence Controls

The court's main decision was handed down in the Kordel case which had come up on appeal from the United States Circuit Court of Appeals for the Seventh Circuit whose decision the supreme court affirmed. In speaking for the majority, Justice William O. Douglas noted that the term labeling as defined in section 201(m) of the act means "all labels and other written, printed, or graphic matter (1) upon any article or any of its containers or wrappers, or (2) accompanying such article."

He said:—

"In this case the drugs and the literature had a common origin and a common destination. The literature was used in the sale of the drugs. It explained their uses. It constituted an essential supplement to the label attached to the package. Thus the products and the literature were interdependent, as the court of appeals observed.

"It would take an extremely narrow reading of the act to hold that these drugs were not misbranded. A criminal law is not to be read expansively to include what is not plainly embraced within the language of the statute, since the purpose fairly to apprise men of the boundaries of the prohibited action would then be defeated. But there is no canon against using common sense in reading a criminal law, so that strained and technical constructions do not defeat its purpose by creating exceptions from or loopholes in it.

"It would, indeed, create an obviously wide loophole to hold that these drugs would be misbranded if the literature had been shipped in the same container but not misbranded if the literature left in the next or in the preceding mail. The high purpose of the act to protect consumers who under present conditions are largely unable to protect themselves in this field would then be easily defeated. The administrative agency charged with its enforcement has not given the act any such restricted construction. The textual structure of the act is not agreeable to it. Accordingly, we conclude that the phrase, 'accompanying such article,' is not restricted to labels that are on or in the article or package that is transported.

"The first clause of section 201 (m)—all labels 'upon any article or any of its containers or wrappers'—clearly embraces advertising or descriptive matter that goes with the package in which the articles are transported. The second clause—'accompanying such article' has no specific reference to packages, containers, or their contents as did a predecessor statute. . . . It plainly includes what is contained within the package whether or not it is 'upon' the article or its wrapper or con-

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American Agricultural Sells Plant to Naco Company

The American Agricultural Chemical Company has sold its Wilmington, N. C., plant to the Naco Fertilizer Company. Described as a relatively small fertilizer mixing facility, the Wilmington plant will be occupied by the Naco organization in January to replace its plant which was damaged by fire in September.

Va. Smelting to Move N.Y. Office Dec. 1

The Virginia Smelting Company, West Norfolk, Va., will move its New York office to new and larger quarters at 270 Madison avenue December 1, according to W. F. Luckenbach jr., manager of industrial sales. The office was formerly located at 76 Beaver street.

P.A.'s-Eye View of Business

Composite view, November 28, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents

The election had very little effect on November industrial business. The trends established in September and October continued, and reports show production high, with backorders declining. The consensus of purchasing executives is that production will fall off during December and, possibly, January, and backorders will decline further. A combination of factors is reported responsible.

Many industries that are normally subject to seasonal variations in activity, but which have continued twelve-month capacity operations since the war, are now finding the return of seasonal fluctuations influencing sales and production schedules. The uncertainty of government policies is a limiting factor on programs, for management must be in a position to make quick revisions, if necessary. Luxury lines, wearing apparel, and capital equipment seem most affected at this time. Long-range plans involving construction, capital equipment expenditures and sales promotional campaigns appear to be hesitant, awaiting clarification of the rules under which industry is to operate.

Commodity Prices

Except for the movement in nonferrous metals, both open and "outside" market, the price situation shows a continuing leveling off, with a stronger trend to decline. It is pointed out that many commodities are selling below their postwar highs. Fabricated items are developing keen competition. Overstocked shelf-goods are being offered at reductions. While current markets are spotty price-wise, there is a strong tendency toward softening.

Inventories

The policy to reduce inventories to lowest workable limits continues in force. In line with hesitancy about the future, shortened buying range, and falling backlogs, some liquidation of inventories is in evidence. In many organizations, substantial reserves are being set up to cover anticipated inventory losses. Extreme conservatism is the order of the day.

Buying Policy

Ninety-eight percent are now within the "hand-to-mouth to ninety-day" commitment range. Compared with 88 percent in this bracket a few months ago, the reflected views on future market conditions are most pronounced. It might be expected that forward commitment policies would broaden to meet the threats of government controls and a fourth wave of wage increases. The reverse, however, appears to be true. The bottleneck created by scarce commodities holds back commitments in the easier-to-get materials.

Specific Commodity Changes

Lead and zinc were the important commodities registering price advances this month. "Outside market" sales of copper at over current market quotations are reported. Conversion deals in lead, copper, aluminum, and steel, resulting in higher than published market prices for end-products, have been more in evidence this month. Other than these, commodity prices remain static with a tendency to lower.

Reported up:—Diamond powder, die castings, dyes, engines, felts, gasoline, machinery, chinawood oil, paint, rosin.

On downside: — Alcohol, used cars, botanical drugs, coal, cornstarch, cotton, cotton twine, food, formaldehyde, friction tape, gummed tape, lumber, lard oil, paper, wastepaper, pitch, radios, rubber, silver, soap, many textiles.

The hard-to-get list remains the same:—Aluminum, lead, copper, zinc, nickel, steel, cadmium, cement, coke, nails, tin.

In easier supply:—Alcohol, coal, fuel oil, lumber, lard oil, lubricating oil, soda ash.

Employment

In general, high employment is being maintained throughout the country, but

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Washington Talks It Over

By Ralph L. Cherry

The business analyists in government who are watching for soft spots in the economic structure that may portend a business recession ahead haven't found anything yet to cause concern. The outlook still looks good for the maintenance of healthy business conditions; although they believe that the peaks in many lines have been reached and the opportunities to reach higher levels are becoming fewer.

Trends are beginning to become more normal, and the seasonal variations that have occurred in the past are becoming more pronounced. This is particularly noticeable in sales of less essential products and in the growth of the business population. Sales in some lines are down, but these can be expected to rebound once the seasonal factor has spent itself.

The changes in the business population are usually a pretty good indication of how things are generally. Business population continued to increase during the first half of this year, but at a much slower rate than in previous periods. The number of businesses started in the first half dropped to 179,000 compared with 238,000 in the same period in 1947 and 356,000 in the first half of 1946. At the same time, the number of discontinued businesses, while still comparatively low, increased steadily from 86,000 in the first half of 1946 to 136,000 in the first half of 1948.

In some industries, the growth of the business population stopped entirely in the first half of the year, and the number of business deaths actually exceeded business births. This was true in such manufacturing lines as stone, clay and glass products, petroleum and coal, apparel and other finished textile products, nonferrous metals, leather and leather products, furniture, and machinery. In other manufacturing lines the number of firms in operation remained about the same or increased slightly.

Economists explain that the increase in mortalities and the decline in entries were an expected aftermath of the very sharp postwar increase in the business population which persisted until recently. On the whole, the figures reflect the favorable market conditions evidenced by the continued expansion of incomes and expenditures; for the previously very rapid rise in the total number of firms in operation has flattened out at a high level in keeping with the high level of business activity, and turnover has remained at a moderate rate.

Fertilizer Data Under Revision

A new publication in the field of fertilizers is about ready for issue. It has to do with proper methods of applying plantfoods to growing crops. The publication is a revision of a booklet put out about ten years ago that is being brought up to date to cover all the new developments of the past decade, both as to new fertilizer materials and how they should be used.

Sponsor of the publication is the National Joint Committee on Fertilizer Application, made up of these six organization groups in the plantfood field:—The American Society of Agronomy, the American Society of Agricultural Engi-

—Continued on page 32

Baker's CALCIUM NITRATE

A high purity *coagulant* especially manufactured for compounders of latex products...

The dependable uniformity and high quality of Baker's Calcium Nitrate gives it an ever-widening appeal to the rubber industry.

Especially manufactured for use by latex compounders, Baker's Calcium Nitrate has the exceptionally high purity demanded in a coagulant. It has superior wetting qualities . . . does not harden in the barrels, and remains in workable condition . . . gives more uniform results, with less trouble in process work.

This product is a technical crystal ranging in size from 1½" to smaller sizes. It is a creamy white color. It contains 3 molecules of water of crystallization.

Baker's Calcium Nitrate helps reduce overall production costs—gives you efficient and economical results! Specify it for your processing.

Baker supplies several other chemicals to the rubber industry—chemicals known for their uniformity and dependability. Whatever your needs, your inquiries for samples and prices are invited. Write to J. T. Baker Chemical Co., *Executive Offices:* Phillipsburg, New Jersey.

6 Baker Chemicals for the Rubber Industry

CALCIUM NITRATE
MAGNESIUM OXIDE
MAGNESIUM CARBONATE
LEAD ACETATE
LEAD PEROXIDE
CARBON DISULFIDE

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Industrial Application Of Chemicals

"Where You Can Sell"

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Para-alphaethylbenzohydrylphenol

Disinfectant—Claimed (U.S. 2247402, 2247403, and 2247404) as germicide.

Miscellaneous—Claimed (U.S. 2247402, 2247403, and 2247404) as antioxidant.

Pesticide—Claimed (U.S. 2247402, 2247403, and 2247404) as fungicide and insecticide.

Para-(alphaphenylisopropyl)-orthochlorophenol

Disinfectant—Claimed (U.S. 2247402) as useful germicide.

Pesticide—Claimed (U.S. 2247402) as useful fungicide and as intermediate in making insecticides.

Resin—Claimed (U.S. 2247402) as intermediate in making synthetic resins.

Potassium-Zirconium Fluoride

Metallurgical—Process material in making alloys, metals (by electrolytic methods).

Propiolic Acid

Chemical—Suggested for use in making pharmaceutical and other organic chemicals.

Resin—Suggested for use in making synthetic resins.

Tetrahydrofuran

(Tetrahydrofurfuran, Tetramethylene Oxide)

Adhesives—Solvent in adhesive compositions, containing natural or synthetic resins.

Ceramic—Solvent in compositions, containing natural or synthetic resins, used as coatings for protecting and decorating ceramic articles.

Chemical—Reagent-solvent in the polymerization of acetylene to cyclooctatetraene.

Dental—Solvent in resinous compositions used as dentures or ingredients of denture mixtures.

Electrical—Solvent in insulating compositions, containing natural or synthetic resins, used for covering wire and in making electrical machinery and equipment.

Glass—Solvent in compositions, containing natural or synthetic resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Ink—Solvent in rotogravure, stamp-pad, and textile inks.

Leather—Solvent in compositions, containing natural or synthetic resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating—Solvent in compositions, containing natural or synthetic resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Solvent in coating compositions, containing natural or synthetic resins, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Solvent in paints, varnishes, lacquers, enamels, and dopes containing natural or synthetic resins.

Paper—Solvent in compositions, containing natural or synthetic resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics—Solvent in making laminated-fiber and molded articles, also plastic materials from or containing natural or synthetic resins.

Resin—Solvent for natural and synthetic resins.

Rubber—Solvent for compositions, containing natural or synthetic resins, used as coatings for protecting and decorating rubber goods.

Stone—Solvent in compositions, containing natural or synthetic resins, used as coatings for decorating and protecting artificial and natural stone.

Textile—Solvent in compositions, containing natural or synthetic resins, used in the manufacture of coated fabrics.

Wood—Solvent in compositions, containing natural or synthetic resins, used as protective and decorative coatings on woodwork.

Tanners Council Urges World Trade Freedom

Sherwood B. Gay, president of the Tanners Council of America, described the dangers confronting an industry dependent upon important raw materials at the recent annual meeting of the council in Chicago. Mr. Gay, who is president of Blanchard Brother & Lane, Newark, N. J., was reelected president of the organization.

William F. Schumann, jr., of the Hoffman Stafford Tanning Company, Chicago, was elected treasurer and Irving R. Glass and J. L. Nelson were reelected executive vice-president and secretary, respectively.

Mr. Gay declared that private and governmental hoarding and accumulation of materials, the maze of government obstacles and restrictions upon the free movement of goods, and the distorting effect of unstable and multiple currencies are the principal difficulties facing importing industries.

"In country after country," he said, "a normal beneficial flow of raw material to the world is barred, although each one expects unrestricted access to United States markets with their limited and deficient supplies. It is almost incredible that in some cases badly needed dollars, which could be secured by normal trade, are sacrificed at the behest of small, selfish groups. With discouraging frequency the sound path to trade recovery is abandoned for the quagmire of embargoes, monopolies, export duties, buying and selling rates of exchange and simple discrimination."

He spoke of the "seemingly excessive" supplies of leather in several foreign countries and the "strange paradox" of producers in those countries continuing to buy

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Geological Institute Formed By Eleven Societies

The American Geological Institute has been organized by eleven national societies of geologists with a combined membership of more than 10,000. It will be associated with the national Research Council and will have its headquarters at the National Academy of Sciences, Washington, as soon as an executive secretary has been selected and appointed.

The officers of the new institute are:—President, Dr. A. I. Levorsen, dean of the School of Mineral Sciences, Stanford University; vice-president, William B. Heroy, consulting geologist, Dallas, Texas; secretary-treasurer, Dr. Earl Ingerson, of the United States Geological Survey, Washington,

The national organizations joining in the formation of the institute and to support its activities are American Association of Petroleum Geologists, American Geophysical Union, American Institute of Mining and Metallurgical Engineers, Geological Society of America, Mineralogical Society of America, Paleontological Society, Seismological Society of America, Society of Economic Geologists, Society of Economic Paleontologists and Mineralogists, Society of Exploration Geophysicists, Society of Vertebrate Paleontology.

ACCL Plans Dinner Dec. 3

Rear Admiral Thorvald A. Solberg, chief of the Office of Naval Research, will be the principal speaker at the "Men of Science and Industry Dinner" of the American Council of Commercial Laboratories on December 3 at the Mayflower hotel, Washington.

Glidden Executive Aid

James C. Rankin has been appointed executive assistant by Dwight P. Joyce, president of the Glidden Company, Cleveland. Mr. Rankin joined the company in 1942 and was manager of specialty sales before his current assignment.

Cosmetic Chemists to Hold Annual Meeting December 8

The Society of Cosmetic Chemists will hold its annual meeting at the Biltmore hotel, New York, on December 8. In addition to the annual business meeting and technical program, the first medal award of the organization will be presented to Marston T. Bogert.

Contributed papers to be presented during the morning and afternoon sessions will be: "Chemistry of Keratins," by Dr. Milton Harris; "Truth as a Constituent of Advertising," by Howard Henderson; "Cutaneous Reactions to Allergens and Irritants in Cosmetics," by Dr. Joseph L. Morse; "Vascular Reactions of Skin," by Dr. A. Wilbur Duryee, and "Hormones in Cosmetics," by Dr. Joseph Eidelsberg.

Standards Bureau Publications Cataloged

All publications of the National Bureau of Standards issued from 1901 to June, 1947, are listed in circular 460, now available at the Government Printing Office. The list includes mathematical tables, building materials and structures reports, circulars, handbooks, commercial standards, simplified practice recommendations, research papers, and miscellaneous publications. Brief abstracts of publications issued from January 1, 1942, to June 30, 1947, are also included.

Circular 460, Publications of the National Bureau of Standards, has 375 pages. It is procurable from the Superintendent of Documents at 75 cents a copy.

Columbia Chemical Assigns Sidwell, Wolf

The Columbia Chemical Division of the Pittsburgh Plate Glass Company has appointed Dr. Albert E. Sidwell jr. assistant director of research and Ralph F. Wolf manager of compounding research. Dr. Sidwell, who was formerly director of the laboratory of the American Medical Association, will direct the division's laboratory work in inorganic and analytical fields.

Proprietary Association Studies Lobby Act Role

Consideration is being given by the Proprietary Association of America to registering with the clerk of the house and the secretary of the senate under the lobby registration act, it has been disclosed by Dr. Fred Cullen, executive vice-president of the association, Washington.

Dr. Cullen said that it has not been decided whether registration will be in the name of the association itself or in the name of an individual of the association staff; probably the latter will be the case, but much depends on how the United States District Court for the District of Columbia rules on the pending motion of the National Association of Manufacturers for a declaratory judgment of the law.

Dr. Cullen said that, as it is well known, the Proprietary Association is not a lobby organization in the sense that this term is commonly used, but the lobby registration act is so ambiguous and the subject of so many varied interpretations as to the activities it covers that the wisest course would appear to be to give recognition to its registration requirements and thus "be on the safe side."

The thing that might possibly bring the association or its officers within reach of the act is the fact that the association includes in bulletins sent periodically to its members discussions or comments on legislation that might be of interest to the members. Because the law refers to activities that indirectly as well as directly tend to "influence" legislation, it is conceivable, Dr. Cullen said, that the courts could hold that the discussion of legislation in the bulletins amounts to lobbying.

The suit for a declaratory judgment was filed by NAM after representations from the Department of Justice that the requirements of the act were not being satisfied by the registration of individuals employed by NAM. The department takes the position that, when an individual of an organization engages in lobbying activities and his expenses are paid by the organization, that automatically places the organization in the position of engaging in lobbying activities and it must register under the act.

The question is of extreme importance to trade organizations, because, if they are held to be engaging in lobbying activities because they pay the expenses of an employee assigned to this activity, it is questionable whether they can maintain their position as a nonprofit organization and their income may then become subject to Federal taxation.

National Lime Ass'n Makes Six Plant Safety Awards

The National Lime Association has awarded certificates of honor to six lime plants which established outstanding records in its safety competition in 1947. The plants are: York, Pa., plant of the National Gypsum Company; Thomasville, Pa., plant of the J. E. Baker Company; Thomaston, Me., plant of the Lawrence Portland Cement Company; Linville, Va., plant of the Southern Lime & Stone Works; Bellefonte, Pa., plant of the National Gypsum Company, and the Houston, Tex., plant of Nyotex Chemicals, Inc.

Compressed Gas Makers To Meet January 17-18

The Compressed Gas Manufacturers Association will hold its thirty-sixty annual meeting at the Waldorf-Astoria hotel, New York, on January 17 and 18.

DCAT Committees Named

Robert B. Magnus, chairman of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, has completed the manning of the section's several committees for the ensuing year. The chairmen of the respective groups are as follows:—

Arbitration, J. P. Remensnyder, of the Heyden Chemical Corporation.

Auditing, Russel J. Fosbinder, of the Maltbie Chemical Company.

Bulletin, Stanley I. Clark, of Sterling Drug, Inc.

Coordination of drug laws, Dr. Carle M. Bigelow, of the Calco Chemical Division, American Cyanamid Company.

Finance, Hugh S. Crosson, of McKesson & Robbins, Inc.

Legislative, Carl M. Anderson, of Merck & Co.

Membership, Charles M. MacAuley, of the Pro-phy-lac-tic Brush Company.

Public relations, Harold C. Green, of L. Sonneborn Sons, Inc.

Section activities, Lloyd I. Volckening, of the Ivers-Lee Company.

Taxes, James G. Flanagan, of S. B. Penick & Co.

Association Meeting Dates

American Association of Economic Entomologists, New Yorker hotel, New York, December 13-16.

American Council of Commercial Laboratories, "Men of Science and Industry Dinner," Mayflower hotel, Washington, December 3.

American Oil Chemists Society, Roosevelt hotel, New Orleans, La., May 10-12.

American Ordnance Association, Waldorf-Astoria hotel, New York, December 6.

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, December 6-8.

American Society of Anesthesiologists, New Yorker hotel, New York, December 9-10.

Chemical Market Research Association, New York, February 10.

Chemists Club, New York, fiftieth anniversary dinner, December 9.

Chicago Technical Societies Council, production show, Stevens hotel, Chicago, March 14-17.

Compressed Gas Manufacturers Association, Waldorf-Astoria hotel, New York, January 17-18.

Copper and Brass Research Association, Biltmore hotel, New York, December 6-7.

Entomological Society of America, New Yorker hotel, New York, December 13-17.

Federal Wholesale Druggists Association, Pennsylvania hotel, New York, March 14-16.

Interstate Oil Compact Commission, Allis hotel, Wichita, Kan., December 9-11.

National Association of Insecticide and Disinfectant Manufacturers, New Yorker hotel, New York, December 6-7.

National Drug Trade Conference, Statler hotel, Washington, December 14.

National Farm Chemurgic Council, Memphis, Tenn., March 30-April 1.

National Petroleum Association, Cleveland hotel, Cleveland, Ohio, April 13-15.

National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.

New England Purchasing Agents Association, December 13.

Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.

Salesmen's Association of the American Chemical Industry, Christmas party, Astor hotel, New York, December 15.

Society of Cosmetic Chemists, Biltmore hotel, New York, December 8.

Synthetic Organic Chemical Manufacturers Association, annual meeting, Commodore hotel, New York, December 8.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 9.

Import

Many important basic raw materials, chemicals, and allied products are now available for shipment from various parts of the world to the U. S. A. If you are unable to obtain what you need in the U. S., send us complete particulars as we can undoubtedly be of assistance to you in securing what you require.

Export

Few houses anywhere are so well equipped as we are for International trade in chemicals. Our 40 years of importing and exporting chemicals have made us familiar traders in world markets from Rio to Bombay, from London to Shanghai.

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230 Park Avenue, New York 17, New York
Murray Hill 6-1182
PAUL B. B. DIXON HARRY DIXON CARL H. B. DIXON
Importers, Exporters, Manufacturers' Agents

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Tuscaloosa, Alabama
("largest producers in the world of Refined Tall Oil")

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Export Sales Agents for
BARIUM REDUCTION CORPORATION
South Charleston, West Virginia
"foremost American producer of Barium products"

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Export Sales Agents for
Barium Carbonate produced by
CHEMICAL PRODUCTS CORP.
Cartersville, Georgia
"manufacturers of Organic and Inorganic Chemicals"

•

Export Sales Agents for
HOOKER ELECTROCHEMICAL CO.
Niagara Falls, New York
"chemicals from the salt of the earth"

•

Export Sales Agents for
THE SHEPHERD CHEMICAL CO.
Cincinnati 12, Ohio
"manufacturers of Driers for the Paint and Varnish Trade"

•

Export Sales Agents for
ARAPAHOE CHEMICALS, INC.
Boulder, Colorado
producers of fine organic chemicals

•

Export Inquiries solicited for the Products of
C. M. ARMSTRONG, INC.
New York, N. Y.
("lactic acid and lactates")

•

Export Inquiries solicited for the Products of
WESTVACO CHEMICAL CORPORATION
New York, N. Y.

•

We also offer for export the solvents produced by
PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma

TALL OIL

PRODUCT OF SOUTHERN PINE

Have you heard about the new

FACOIL CS

refined Tall-oil?

FACOIL CS is ready now for shipment in tank-car and drum lots. It is the answer to problems in many industries that require a quantity source of Fat and Rosin that is cheap and also that has light color, good odor and low viscosities.

Facoil CS is an ideal material. It is the first refined Tall-oil having a color of 8 to 10 Heilige Varnish scale which does not crystallize. It contains approximately 48% Fatty Acids and 42% Rosin Acids.

Facoil CS is produced by National Southern Products Corporation, 12th Avenue at 14th Street, Tuscaloosa, Alabama, and is offered in the domestic market by Harry Dixon and Sons, Incorporated as general sales agents. They will also be pleased to quote for export f.a.s. any U. S. port or c.i.f. any foreign port upon request.

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Current Market Quotations

Chemicals and Related Materials

November 26, 1948

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½ - .13
tanks, works lb. .10 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms lb. .65 - .75
tech., fib. dms lb. .38 - .43

Acetanilide, tech., bbls., c.l. lb. .23½ - —
l.c.l., ton lots lb. .24½ - —
less ton lb. .27½ - —

USP, bbls., 2,000-lb. lots lb. .40 - .50
smaller lots lb. .41 - .56

Acetic anhydride, dms., c.l., frt. alld. E. lb. .13½ - —
l.c.l., frt. alld. E lb. .15 - —
tanks frt. alld. E lb. .12 - —

Acetoacetanilide, bbls., dlvd lb. .67½ - —
fib. dms., c.l., works lb. .65 - —
l.c.l. lb. .66 - —

Acetoacetorthoanisidide, dms., wks., 5,000 lbs. or more lb. 1.30 - —
1,000 lbs. or more lb. 1.50 - —

Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., works lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd. lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —

Acetone, CP, dms., c.l., dlvd lb. .10 - —
l.c.l. dlvd. lb. .11 - —
tanks, dlvd. lb. .08¼ - —

Methyl (see M).

Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20

Acetophenone, cns., dms lb. 1.50 - 1.85

Acetyl chloride, cbys., works lb. .55 - .60

Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47

Acid, abietic, dms., c.l., works lb. .07½ - —

Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.50 - 4.75
56%, bbls 100 lbs. 7.90 - 8.15
70%, bbls 100 lbs. 9.60 - 9.85
80%, bbls 100 lbs. 10.85 - 11.10
glacial, synthetic, CP, dms., works 100 lbs. 13.50 - 14.00
USP, dms., works 100 lbs. 11.50 - 12.00
tech., dms., c.l., works 100 lbs. 10.00 - 11.00
tanks, works 100 lbs. 8.60 - 9.12

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic annydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —

USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59

Betaoxynaphthoic, bbls., works lb. 1.25 - 1.43

Boric, tech., 99.5%, cryst., paper bgs., c.l., frt. split ton. 124.00 - —
ton lots, ex whse ton. 148.00 - —
less than ton lots, ex whse ton. 153.00 - —
powd., paper bgs., c.l., frt. split ton. 104.00 - —
ton lots, ex whse., N. Y. or Chi ton. 128.00 - —
less ton lots, same basis ton. 133.00 - —
bbls., c.l., frt. split ton. 124.00 - —
ton lots, ex whse., N. Y. or Chi ton. 148.00 - —
less car lots, same basis. ton. 153.00 - —
gran bulk ton. 95.50 - —
paper bgs., c.l., frt. split. ton. 99.00 - —
ton lots, ex whse., N. Y. or Chi ton. 123.00 - —
less ton lots, same basis. ton. 128.00 - —

Acid, boric, tech., 99.5%, gran., bbls., c.l., frt. split ton. 119.00 - —
ton lots, ex whse., N. Y. or Chi ton. 143.00 - —
less ton lots, same basis ton. 148.00 - —
USP $25 per ton higher.

Broener's, bbls. lb. 1.34 - —

Butyric, 99%, dms., c.l., works lb. .34½ - —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —

Cacodylic, bots. lb. 12.00 - 13.00

Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms. lb. 5.50 - 6.00

Caprie, tech., dms lb. .50 - .50½

Caprylic, 99%, dms lb. .50 - .50½

Castor oil, split, dms lb. .35¾ - .36¾

Chlorosulphonic, dms., c.l., works. lb. .03 - —
l.c.l., works lb. .03½ - .04½
tanks, works lb. .02½ - —

Chromic, 99½-99¾%, dms., c.l. works lb. .23½ - —
l.c.l., works lb. .24 - .25

Cinnamic, refd., bots lb. 3.00 - 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb .27 - —
10,000 lbs., 1 ship't lb. .27½ - —
kgs. lb. .28½ - —

Anhydrous citric acid powder, ½c. per lb. higher.

USP, cryst., bbls., c.l lb. .27½ - —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½ - —
kgs. lb. .29½ - —
gran., fine gran., bbls., c.l lb. .24½ - —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½ - —
kgs. lb. .26½ - —
USP citric acid powder ½c. per lb. higher.

Cleve's, mixed, bbls lb. .61 - 65

Coconut oil, dist., dms. lb. .32¼ - .33¼

Corn oil, s.d., dms. lb. .14½ - Nom.

Cottonseed oil, dist., dms lb. .15¾ - .16¾

Cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works and frt. equald gal. 1.61 - —
l.c.l., same basis gal. 1.64 - —
tanks, same basis gal. 1.55 - —

Petroleum, 185°C to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 - —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 - —
190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 - —
l.c.l., same basis gal. .95 - .97
tanks, same basis gal. .85 - —

Acid, cresylic, dom., petroleum, 210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 - —
l.c.l., same basis gal. .765 - .785
tanks, same basis gal. .665 - —

235°C. to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .62 - —
l.c.l., same basis gal. .72 - .74
tanks, same basis gal. .62 - —

Crotonic, bbls., Canadian, works lb. .35 - —

Dichlorophenoxyacetic, fib. dms., c.l., works, frt. equald lb. .75 - —
l.c.l., same basis lb .83 - .90

Diethylbarbituric (see Barbital).

Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½ - —
tanks, works lb. .29½ - —

F, bbls., works lb 1.73 - 1.78

Folic, bots gram. 2.00 - —

Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .14 - .15
90%, cbys., c.l., works lb. .13½ - .14
l.c.l., works lb. .14½ - .15

Fumaric, tech., bbls., dms lb. .30 - .31

Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 - 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 - —
smaller lots lb. 1.46 - 1.48

Gamma, bbls lb 1.13 - 1.20

Gluconic, tech., 50%, bots lb. .23 - .31
dms. lb. .14 - —
kgs. lb. .16 - —

Glutamic-l, 99%, fiber dms., 100 lb. lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.45 - —

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .66 - —

Hydriodic, 45-47%, cbys lb. 2.69 - —
57%, cbys lb. 2.83 - 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 - —
tech., 48%, cbys., dlvd. E lb. .34 - .36
34%, cbys., dlvd. E lb. .35 - .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 - .40

Hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½ - —
30%, steel dms., works lb. .08½ - .09
70%, steel dms., works lb. .15¾ - .16¼

Hydrofluosilicic, 30-35%, bbls lb. .08 - .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	No.	number
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM.	American Society for Testing Materials	e.p. equald.	end point equalized	Pac.	Pacific
Be.	Baume	F.	fahrenheit	pf.	proof
bgs.	bags	ferment.	fermentation	phos.	phosphate
bbls.	barrels	ffa.	free fatty acid	photo.	photographic
bls.	bales	ffc.	free from chlorine	pkgs.	packages
bots.	bottles	fib.	fiber	powd.	powdered
b.p.	boiling point	f.o.b.	free on board	precip.	precipitated
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	prod.	producer
b.r.	boiling range	frt.	freight	pt.	point
bxs.	boxes	fus.	fused	pulv.	pulverized
C	centigrade	gal.	gallon	purif.	purified
cbys.	carboys	gran.	granular	redist.	redistilled
CD	completely denatured	grd.	ground	refd.	refined
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	refy.	refinery
cks.	casks	i.b.p.	initial boiling point	reg.	regular
c.l.	car lots	imp.	imported	resub.	resublimed
cns.	cans	incl.	included	ret.	returnable
col.	color	indust.	industrial	SD	specially denatured
com'l	commercial	kgs.	kegs	s.d	single distilled
conc.	concentrated	lacq.	lacquer	S. E.	southeast
CP	chemically pure	lb.	pound	secs.	seconds
cps.	centipoises	l.c.l.	less than car lots	s.g.	specific gravity
cryst.	crystal	liq.	liquid	ship't	shipment
cs.	cases	m.a.p.	mixed aniline point	solut.	solution
ctns.	cartons	min.	minimum	s.u.	standard unit
cyls.	cylinders	m.p.	melting point	synth.	synthetic
dbl.	double	N.	nitrogen	tech.	technical
denat.	denatured	nat.	natural	USP	U. S. Pharmacopoeia
dest.-dist.	destructive-distilled			vis.	viscosity
dextro.	dextrorotatory			VM&P	varnish makers & painters
dist.	distilled			W	west
				w.w.	water white
				whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, hypophosphorus, USP, dms lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.66
L, bbls., works lb. .80 - .95

Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 5 or less lb. .29 - .29½
plastic grade, 50%, bbls., 20 or more lb. .19¾ - —
10 or less lb. .20¾ - —
80%, bbls., 5 or less lb. .3495 - .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .80 - —

Lauric, dist., 85-90%, dms lb. .40 - .40½
60%, dms lb. .35 - .35½

Linseed oil, reg. dist., dms lb. .3200 - .3250
water white, dms lb. .3500 - .3550

Maleic, powd., dms lb. .30 - .31
Anhydride (see M).

Malic, dms. lb. .47 - —

Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10

Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085 - .009

Molybdic, kgs., works lb. .95 - 1.10

Monochloroacetic, purified, flake, 99% dms lb. .23½ - .24¼
tech., flake, 96-97% bbls lb. .19 - .21

Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton. 20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.45 - —
tanks, E. works ton. 25.00 - —

CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ - —
l.c.l., same basis lb. .09¼ - .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ - —
l.c.l., same basis lb. .14¼ - .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms lb. .45 Nom.

Naphthenic 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms lb. .84 - .88

Nicotinic, USP, dms., works kilo. 8.00 - 8.30

Nicotinic amide (see Nicotinamide).

Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys., c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.65
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60

CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .11½ - —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt. equald lb. .15½ - —
l.c.l., same basis lb. .17 - .18

Oleic (see Oil, red).
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Oleum (see Acid, sulphuric, fuming).

Orthocresotinic, dms. c.l., works lb. .67 - —
l.c.l. works lb. .69 - —

Oxalic, bbls., c.l., works lb. .14½ - —
10,000 lbs., works lb. .14¾ - .15
smaller lots, works lb. .15¼ - .15¾

Palm oil, white, dist., dms lb. .21¼ - .21¾

Para-aminobenzoic, purified, dms., works lb. 4.00 Nom.
technical, dms., works lb. 1.70 - —

Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .80 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - .95

Peanut oil, s.d., dms. lb. .16¼ - Nom.

Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66

Phenylacetic, bots lb. 1.51 - 1.75

Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

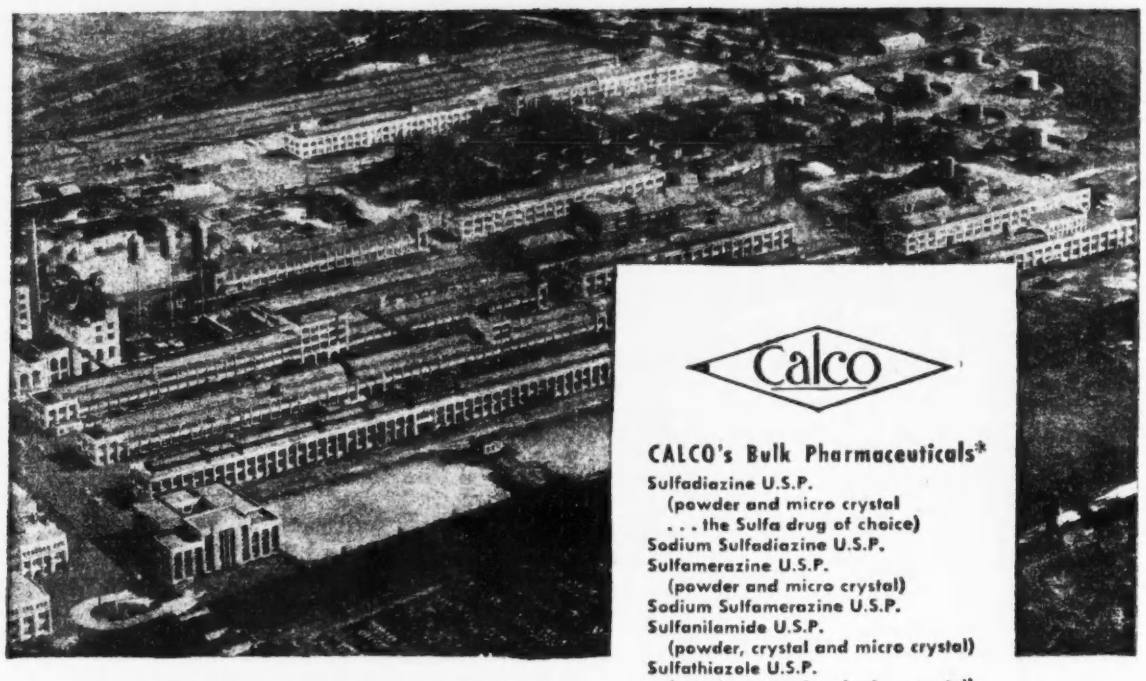
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.25 - 6.00
cbys., c.l., works, frt. equald 100 lbs. 5.00 - —
l.c.l., works, frt. alld., 100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald 100 lbs. 5.75 - —
l.c.l. lb. .11½ - .13

V154122 NOV 29 1948 XUM

Acid Phosphoric, 75%—Alum, Ammonia, Powd.

Acid, phosphoric, food grade, 75%, cbys, c.l., works, frt. equald..100 lbs. 6.10 - —
l.c.l., works, frt. alld. 100 lbs. 8.00 9.00
tanks, works, frt. equald 100 lbs. 4.00 - —
NF, 85%, cbys., c.l. lb. .10½- —
dilute, 10%, cbys., djns. lb. .07 - .07½
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls. lb. .30 - .31
USP, bbls. lb. .35 - .36
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls. lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.45 - 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse. gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.75 - 2.79
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, bbls., cryst. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, tech., dms., c.l., works, lb. .57 - —
l.c.l., works lb. .59 - .61
Soybean oil, s.d., c.l. works lb. .16¼- .17¼
Acid, stearic, double pressed, bgs lb. .24½- .25½
single pressed, bgs lb. .24 - .25
triple pressed, bgs lb. .27¼- .28½
Succinic, bbls lb. .87 - .90
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., dms., works lb. .17 - —
Sulphuric, 60°Be, cbys., c.l., E. works..100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.13.75 - —
66°Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.17.00 - —
98%, tanks, E. works ton.18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07½- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¼- .13¾
fuming, 20%, tanks, E works. ton.18.00 - —
Tallow, dist., dms lb. .16¼- .17¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.39 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .37½- —
smaller lots lb. .38 - —
100-lb. dms lb. .39 - —
small, dms lb. .41 - .43
imported, kgs lb. .30 - .30½
Acid thioglycolic, refined, bbls.,cbys., basis 100% lb. 1.95 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works lb. .20 - —
Tungstic, tech., 100 lb. pkgs. lb. 2.75 - Nom.
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots oz.72.25 -72.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .33½- —
l.c.l., works lb. .34 - .45
tanks, works lb. .32½- —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar lb. 3.25 - 4.10
Agaric, white, bls lb. 1.75 - 1.80
Agrimony herb, bls lb. .35 - .40
Albumen (egg), edible, flake, bbls lb. 2.65 - 2.75
powd., bbls. lb. 2.70 - 2.80
tech., cryst., bbls. lb. 1.48 - 1.60
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .26½- —
l.c.l., dlvd. lb. .27¼- —
tanks, dlvd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld, E. of Miss lb. .18 - —
l.c.l., frt. alld, E. of Miss lb. .19 - —
tanks, frt. alld, E. of Miss lb. .17 - —
(see also Fusel oil, refd.)
refined fermentation, 128-132°C, dms., dlvd lb. .36 - —
128-132°C, dms., dlvd. lb. .42 - —
Benzyl, cns lb. .72 - .80
dms. lb. .68 - .88
Alcohol, butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld, E lb. .20 - —
tanks, frt. alld, E lb. .17½- —
tankwagon, frt. alld, E lb. .18 - —
other production, dms., c.l., frt. alld, E lb. .19 - .19½
l.c.l., frt. alld.E lb. .20 - .20½
tanks, frt. alld, E lb. .17½- .18
synthetic, normal, dms., c.l., frt. alld., E lb. .19 - —
l.c.l., frt. alld, E lb. .20 - —
tanks, frt. alld, E lb. .17½- —
Normal synthetic butyl alcohol prices in West .01c. per lb. higher
secondary, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd. lb. .12½- —
tanks, dlvd. lb. .10½- —
tertiary, dms., c.l. lb. .13½- —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.80 - 3.35
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss R. gal. .64½- —
l.c.l., dlvd. E. of Miss R. gal. .65½- .73½
tanks, dlvd. E. of Miss. R. gal. .54 - —
tankcar sales requires written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .64 - —
l.c.l., same basis gal. .68 - .73
tanks, same basis gal. .53½- —
SD2B, dms., c.l., E. of Miss. R. gal. .62½- —
l.c.l., same basis gal. .66½- .71½
tanks, same basis gal. .52 - —
SD23H, dms., c.l., dlvd, E. of Miss. R. gal. .64½- —
l.c.l., same basis gal. .68½- .73½
tanks, same basis gal. .54 - —
SD29, denatured with acetaldehyde, dms., c.l., dlvd, E. of Miss. R. gal. .63 - —
l.c.l., same basis gal. .67 - .72
tanks, same basis gal. .52½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., dlvd. E. of Miss. R. gal. .64½- —
l.c.l., same basis gal. .68½- .73½
tanks, same basis gal. .54 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone free, dms., c.l., dlvd. lb. .13½- .14½
l.c.l., dlvd. lb. .14 - .15¼
tanks, dlvd. lb. .12 - .13
tech., dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12½- —
Ethyl, 190 pf., tax paid, dms., c.l., dlvd, E. Miss. R. gal.17.71½- —
l.c.l., same basis gal.17.75½-17.80½
tanks, same basis gal.17.61 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .61½- —
l.c.l., same basis gal. .65½- .70½
tanks, same basis gal. .51 - —
absolute, tax paid, dms., c.l., same basis gal.18.68½- —
l.c.l., same basis gal.18.72½-18.77½
tanks, same basis gal.18.58 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .27½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, refd., dms., works lb. .13 - —
tanks, works lb. .12 - —
Isopropyl, refd., 91°c, dms., incl., c.l., dlvd. gal. .56½- —
l.c.l., dlvd. gal. .53½- —
tanks, dlvd. gal. .41 - —
99°c, dms., incl., c.l., dlvd gal. .54½- —
l.c.l., dlvd gal. .57½- —
tanks, dlvd gal. .45 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots. lb. 2.90 - —
Phenylethyl, cns. lb. 1.50 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½- —
tanks, works lb. .10½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia. lb. .47 - —
cns., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Alcool, 95°c, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Alkanet root, bgs. lb. 1.60 - 1.65
Alpin, bbls., fib. dms. lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .50
Allspice, Jamaica (see Pimento).
Guatemalan, bgs., futures lb. .21½- .22
Mexican, bgs. lb. .13¼- .13½
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs. lb. .35 - .40
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, bbls., dms., kgs. lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls. lb. .63 - .70
Alphanaphthylamine, bbls. lb. .38 - .39½
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 4.40
Alphanitronaphthalene, bbls lb. .34 - —
Alphapicoline, ret. dms., works, frt. equald lb. .27½- .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, bots. kilo.750.00 - —
Acetate, bots. kilo.750.00 - —
Althea root, NF, peeled, bls lb. .30 - .35
Alum, ammonia, burnt, USP, bbls., lb. .16 - .18
gran., bbls., works 100 lbs. 3.90 - —
lump, bbls., works 100 lbs. 4.15 - —
powd., bbls., works 100 lbs. 4.20 - —

Let CALCO supply you SULFA DRUGS



CALCO, in its great plants at Bound Brook, N. J., produces a wider range of SULFA DRUGS than any other manufacturer in the world. In these giant-capacity plants, rigid inspection from laboratories through to finished big-scale production assures a uniform high excellence of quality and an assured source of supply. This is why you will find it advantageous to look to CALCO for these sulfonamides:

SULFADIAZINE U.S.P.
"King of the Sulfonamides"
Powder . . . or . . . Micro Crystal

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Sulfamerazine
Sodium Sulfamerazine
Sulfanilamide U.S.P. (powder, crystal, micro crystal)
Sulfathiazole U.S.P. (powder, crystal, micro crystal)
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Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Dicumarol
Folic Acid
Neocinchophen U.S.P.
Mandelic Acid N.F.
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Menadione U.S.P.
Methylene Blue U.S.P.
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Nicotinamide HCl.
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Propylthiouracil
Phenothiazine N.F.
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AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Free for Development

SUSQUEHANNA CHEMICALS

INHIBITOR OIL

Distillation Range 210°C. to 291°C.

Specific Gravity - at 15°C.—1.103

Color - - - - - Amber to cherry, darkens on standing.

Odor - - - - - Resembling creosote

Flash Point - - 232°F.

Fire Point - - - 256°F.

Viscosity - - - Controllable from 100 saybolt to 78 saybolt at 100°F.

This oil is obtained from the distillation of wood tar. It has found application in a large range of industrial uses. These include paints and varnishes, disinfectants, plastics, preservatives, and special purposes where its phenolic and antioxidant properties are important.

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Alum, Potash—Antimony-Potassium Tartrate

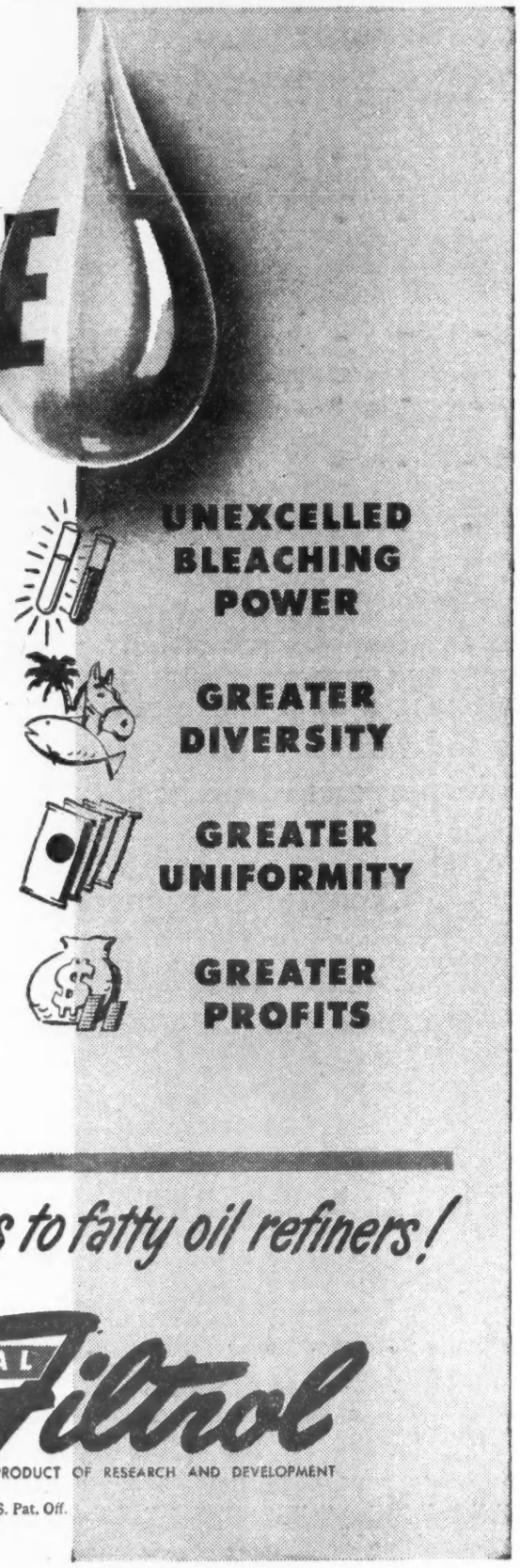
Alum, potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.45 - —
Potash-chrome, bbls lb. .12½- .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- —
l.c.l., works lb. .04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24°, bbls., l.c.l., works lb. .11 - —
20°, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06½- .06¾
solution, 32°, cbys., c.l., works. lb. .02¾- —
l.c.l., works lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald lb. .10 - —
l.c.l., frt. alld lb. .11 .13
Formate, basic solution, cks., c.l. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton. 50.00 -54.00
l.c.l., works ton. 72.00 -86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel., tech., min. 15% Al (OH)$_3$, dms., 10,000 lbs. or more, f.o.b. ship't point. lb. .03 - .03½
ton lots, same basis lb. .03¼- .05½
smaller lots, same basis lb. .03¾- .04

Aluminum hydroxide, gel. tech., 14-15% Al_2O_3, fib. dms., works lb. 20¾- —
contract, works lb. .19¾- —
9-9½% Al_2O_3, fib. dms., works lb. 17⅞- —
contract, works lb. .16¾- —
dried, USP XII, fib. dms., works, lb. .73 —
contract, works lb. .75 - —
powder, tech. (see Aluminum hydrate), USP IX, bbls., dms lb. .15 - 17
Laurate, precip., bbls lb. .42 - —
Linolcate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liq., 1.7%, frt. alld. lb. .24½- 25
Oleate, dms., contract lb. .43¾- —
Oxide, amorphous (see Alumina, calcined), crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - 15
kgs., ton, frt. alld lb. .12½- —
smaller lots, frt. alld lb. .13 .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
classified, 500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld lb. .51 .53
kgs., frt. alld lb. .50 - —

Aluminum oxide, optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb 13.50 - —
jars, works lb. 15.00 -17.00
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10 lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .24¾- —
Stearate, dibasic, ctns., c.l. lb. .38 - —
l.c.l. lb. .39 - —
monobasic, ctns., c.l. lb. .38 - —
l.c.l. lb. .39 - —
tribasic, ctns., c.l. lb. .43 - —
less than 1 ton lb. .44 - .45
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —

Aluminum sulphate, iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 2.90 - —
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .85 —
Aminomethylpropanol, cns., dms., works lb. .50 .60
Aminomethylethanolamine, tanks, works lb. .60 —
Aminophilline, bots, kgs lb. 8.25 - 8.75
Aminopyrine, bots., dms lb. 6.00 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton. 68.00 -70.00
pure, cyls., extra lb. .16 —
refrigeration, tanks, works, ton 70.50 -72.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 2.85 - 3.00
l.c.l., works 100 lbs. 3.25 3.50
tanks, works, anhyd. basis ton. 76.00 —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l. works 100 lbs. 5.45 - —
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 1.08
Biborate, bbls., c.l., works ton. 320.00 - —
ton lots, works ton. 338.50 - —
less ton lots, works ton. 343.50 - —
Bicarbonate, dms., works, c.l. lb. .064 - .0675
Bichromate, bbls., works lb. .26 - .30
Bifluoride, dms., dlvd lb. .12 - .13½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. 16½ .17
powdered, 1c. per lb higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs lb. .20 - .22
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.90 3.96
Linolcate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld. zone 1. lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, CP, cryst., kgs lb. 1.26 - 1.30
fine cryst., bbls., kgs lb. .84 - .87
purified, dms lb. 1.10 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point ton. 79.50 - —
dom., bgs., western works ton. 56.50 -58.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton. 42.50 - —
Oleate, dms. lb. .30¾- —
Oxalate, fine gran., dms lb. .25 - —
dms., 100 lbs., lots lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton. 230.00 - —
ton lots, works ton. 248.50 - —
less ton lots, works ton. 253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs lb. .25 - —
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .03 - —
l.c.l., works lb. .03½- —
Salicylate, NF, dms., kgs lb. 1.25 - —
Silicofluoride, bbls., works lb. .11½- .12
Stearate, anhydrous, dms lb. .34 - —
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton. 45.00 - —
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys lb. 2.45 - —
commercial, same basis lb. 2.15 - —
Amphetamime hydrochloride, bots lb. 45.00 -50.00
Phosphate, bots lb. 45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .27 - .28½
l.c.l., dlvd. lb. .28 - .29½
tanks, dlvd. lb. .25½- .27
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .23 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 - —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns lb. .77 - 1.00
Anethol, com'l, dms., works lb. .50 - —
NF, dms lb. .60 - 1.60
Angelica root, dom., bls. lb. .90 - 1.00
imported, bls. lb. .98 - 1.00
Angostura bark, bls. lb. .45 - .50
Anilin oil, dms., c.l., works, frt. alld lb. .16 - —
l.c.l., works, frt. alld lb. .17 - —
tanks, works, rt. alld lb. .15 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs. lb. No stocks.
Chinese, star lb. .18 - .19½
Cyprus, bgs lb. .20 - .20½
Mexican, bgs lb. .19 - .19½
Syrian, bgs. lb. .18 - .18½
Anisic aldehyde, bots., cns lb. 2.20 - 2.25
dms. lb. 2.22 - 2.75
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .19 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .66
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .80 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .17 - —
Metal, bulk, c.l., mines lb. .38½- —
Needle, cs lb. No stocks.
Antimony oxide, ceramic grade, bgs., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works lb. .36¾- .37
Salt, 65%, bgs., c.l., dlvd. E. of Miss lb. No stocks.
Sulphide, 62-64%, bbls., c.l., works. lb. .26 - —
l.c.l., works lb. .28 - —
Antimony-potassium tartrate (see Tartar emetic).

IT'S SIMPLE



"Special" FILTROL* is *designed* to decolorize *fatty oils.* It possesses two to three times the decolorizing power of raw clays, hence you use only one-half to one-third as much to produce uniform, low color-specification products.

"Special" FILTROL is "tailor-made" to fit a wide range of oils, normal or hard-to-bleach—that's why leading fatty oil refineries operate continuously with "Special" Filtrol.

"Special" FILTROL is processed in a manner that assures decolorizing uniformity in every lot. Uniform decolorizing power assures a uniform color in the finished fatty oil product.

"Special" FILTROL gives refiners greater profits; 30 per cent to 50 per cent less Filtrol Adsorbent gives the same color, therefore Refiners using Filtrol *save* and *sell* 30 per cent to 50 per cent of the valuable *finished* oil now lost in the press cake when raw clays are used. Other profits result from smaller filter press requirements, less press cake disposal, lower labor costs and with greatly reduced shipping costs and storage space requirements.

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GREATER PROFITS

That's what Filtrol means to fatty oil refiners!

SPECIAL Filtrol
PRODUCT OF RESEARCH AND DEVELOPMENT

*Reg. U.S. Pat. Off.

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write for name of agent in your country

Antipyrine, bbls	lb.	2.35	- 2.45
Apomorphine, bots	oz.	23.20	-23.70
Archil extract, bbls	lb.	No stocks.	
Areca nuts, powd., bbls	lb.	.22	- .25
Arecoline hydrobromide, bots	oz.	6.10	- 7.10
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity)		18.00	-18.50
Arnica, flowers, bls	lb.	.50	- .90
root, bls	lb.	1.45	- —
Arrowroot, powd., bgs	lb.	.13	- .16
Arsenic, metal, lump, bbls., prompt shipt	lb.	.75	- .90
Sulphide, yellow, bbls	lb.	No stocks.	
Trioxide (see Acid, arsenous).			
White, powd., bbls., c.l.	lb.	.06¼-	—
l.c.l.	lb.	.08½	.09
Asafetida, cs	lb.	.35	- .36
powd., bbls., dms	lb.	.50	- .53
Asbestine (see Talc, fibrous, N. Y.).			
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines	ton.	76.50	- —
5R, bgs., c.l. (20 tons), same basis	ton.	69.50	- —
6D, bgs., c.l. (30 tons), same basis	ton.	51.00	- —
7D, bgs., c.l. (30 tons), same basis	ton.	46.50	- —
7F, bgs., c.l. (30 tons), same basis	ton.	44.00	- —
7K, bgs., c.l. (20 tons), same basis	ton.	31.00	- —
7M, bgs., c.l. (30 tons), same basis	ton.	27.50	- —
7R, bgs., c.l. (30 tons), same basis	ton.	26.50	- —
7RF, bgs., c.l., same basis	ton.	27.00	- —
7T, bgs., c.l., same basis	ton.	25.50	- —
7TF, bgs., c.l., same basis	ton.	27.00	- —
Asphaltum, cut-back, tanks, tank wagon, refinery	gal.	.09½-	—
Emulsion, tanks, tank wagon, refinery	gal.	.09½-	.10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines	ton.	36.50	- —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines	ton.	29.00	- —
jet, bgs., ton lots, gross weight, Colo. mines	ton.	29.00	- —
Manjak, No. 10, crude, dms., works	lb.	.06½-	—
process form, bgs., works	lb.	.05¼-	.12
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery	ton.	23.00	- —
80-300 penetration, tanks, tankwagon, refinery	ton.	22.00	- —
Atropine, bots	oz.	13.50	-15.00
Sulphate, bots	oz.	10.35	-12.00

B

Balm of Gilead, buds, bgs	lb.	2.00	- 2.50
Barbasco root (see Cube root).			
Barberry root bark, bgs	lb.	.78	- .80
Barbital, dms	lb.	4.50	- —
Sodium, dms	lb.	4.75	- —
Barium carbonate, precip., bgs., 10 tons and up, works	ton.	72.50	-80.00
smaller lots, works	ton.	82.50	-90.00
Chlorate, kgs., works	lb.	.25½-	.31
Chloride, NF, cryst., dms	lb.	.11	- .13
tech., bgs., c.l., works, frt. equald	ton.	90.00	- —
l.c.l., works	ton.	100.00	- —
Chromate, bgs., frt. equald	lb.	.21½-	.32
Dioxide, dms., c.l., works	lb.	.12	- —
l.c.l., works	lb.	.12	- —
Fluoride, bbls	lb.	.21	- —
Hydrate, crystals, bgs	lb.	.09	- .09½
Hydroxide, anhyd., bbls., works	lb.	.19	- —
Iodide, bots	lb.	5.12	- —
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.11½-	—
l.c.l., works	lb.	.13	- —
Oxide, grd., dms., works	lb.	.11	- —
l.c.l., works	lb.	.11½-	—
Peroxide (see Dioxide).			
Silicofluoride, bbls	lb.	.17	- .19
Stearate, ctns., 1-ton up	lb.	.42	- —
smaller lots	lb.	.43	- —
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls	lb.	.12½-	.13
Sulphide, dms., c.l., works	ton.	35.00	- —
l.c.l., works	ton.	70.00	- —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines	ton.	9.40	-12.50
Barytes, water-grd., paper bgs., c.l., St. Louis	ton.	35.05	- —
l.c.l., same basis	ton.	36.85	- —
ex whse., N. Y.	ton.	49.65	- —
Southern off-color, bgs., mines	ton.	19.00	- —
95.75%, bgs., mines	ton.	20.00	- —
Barberry bark, bgs.	lb.	.12	- .13
Bay leaves (see Laurel leaves).			
Belladonna leaf, bls	lb.	1.20	- 1.30
Root, bls	lb.	.55	- .60
Bauxite, bulk, mines	ton.	8.50	-10.00
Bentonite, 200 mesh, bgs., works	ton.	11.00	- —
Benzaldehyde, NF, dms	lb.	.68	- .90
tech., cbys., dms	lb.	.45	- .55
Benzene (see Benzol).			
Hexachloride, tecn., 11% gamma bgs., dms., c.l., works	lb.	.30¼-	—
l.c.l., works	lb.	.32¼-	—
dust, dry, 30%, distributors, dms., c.l., dlvd	lb.	.21	- —
l.c.l., dlvd	lb.	.22	- —
wet, 50%, distributors, dms., c.l., dlvd	lb.	.22	- —
l.c.l., dlvd	lb.	.23	- —
Benzidin base, bbls	lb.	.94	- —
Benzocaine, cns	lb.	3.50	- 3.85
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich. Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio.	gal.	.21	- —
	gal.	.20	- —
Benzophenone, dms	lb.	1.30	- 1.70
Benzoyl chloride, c.l., cbys	lb.	.20	- .23
l.c.l., works	lb.	.22½-	—
Peroxide, pure, fib. ctns., works	lb.	.90	- 1.03
Benzyl acetate, f.f.c., dms	lb.	.60	- 1.00
dms	lb.	.60	- .70
Alcohol (see Alcohol, benzyl).			
Benzoate, f.f.c., cns., dms	lb.	1.00	- 1.40
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.19	- .21½
l.c.l., same basis	lb.	.20	- .22½
Cinnamate, cns	lb.	3.65	- 4.00
Formate, cns	lb.	1.95	- 3.50
Propionate, bots	lb.	1.65	- 2.30
Salicylate, bots	lb.	1.80	- 2.25
Benzylidinacetone, bots	lb.	1.85	- 2.70
Benzylisoeugenol, bots	lb.	9.50	- —
Berberine bisulphate, cns	lb.	No stocks	
Hydrochloride, bots	lb.	No stocks	
Sulphate, cns	lb.	No stocks	
Berberis root, bls	lb.	.30	- .35
Betagammapicoline, dms., c.l., works	lb.	.21	- .23½
l.c.l., works	lb.	.21½-	.24

Betanaphthol, resublimed, dms., works	lb.	.75	- —
tech., bbls., c.l., works	lb.	.30	- —
l.c.l., works	lb.	.32	- —
Benzoate, fib. dms., works	lb.	1.75	- —
Salicylate, dms	lb.	5.00	- —
Betanaphthylamine, tech., bbls., works	lb.	.62	- .70
Betaphenylethylamine, dms., works, 1,000 lb. lots	lb.	1.45	- —
smaller lots	lb.	1.60	- —
Betapicolin, 90%-95%, dms., c.l., works	lb.	1.35	- —
98%, dms., c.l., works	lb.	1.85	- —
Biotin, cryst	gram.	12.50	- —
Bismuth chloride, jars	lb.	3.95	- —
Citrate, USP VIII, jars	lb.	3.27	- —
Hydroxide, dms	lb.	4.18	- —
Metal, bxs., ton lots	lb.	2.00	- —
Nitrate, cryst., dms	lb.	1.85	- —
Oxychloride, dms	lb.	3.97	- —
Oxide, anhydrous, dms	lb.	4.60	- —
Phenolsulphonate, fib. dms	lb.	4.70	- —
Subcarbonate, USP, dms	lb.	2.80	- —
Subgallate, NF, fib. dms	lb.	2.75	- —
Subiodide, fib. dms	lb.	4.90	- —
Subnitrate, USP, dms	lb.	2.30	- —
Subsalicylate, USP, dms	lb.	3.20	- —
Bismuth-ammonium citrate, USP, powd., dms	lb.	3.80	- —
Black, acetylene, bgs., c.l., works	lb.	.13½-	—
es., l.c.l., shipt. point	lb.	.17	- .19
Bone, bgs., bbls., l.c.l., dlvd	lb.	.14⅝-	.22⅝

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Black, carbon, channel, beads, bulk, c.l., works	lb.	.07	- —
bgs., c.l., works	lb.	.0732-	—
l.c.l., dlvd. or whse.	lb.	.11¼-	.117
uncompressed, regular, bgs., c.l., works	lb.	.0832-	—
bgs., ctns., l.c.l., dlvd. or whse	lb.	.13¾-	—
furnace, fast extruding, bgs., c.l., works	lb.	.05½-	—
ctns., l.c.l., whse	lb.	.09¼-	—
high modulus, bgs., c.l., works.	lb.	.05	- —
ctns., l.c.l., whse	lb.	.09	- —
semi-reinforcing, bgs., c.l., works	lb.	.03½-	—
ctns., l.c.l., whse	lb.	.07½-	—
very fine, bgs., c.l., works	lb.	.07.2-	—
l.c.l., dlvd. or whse	lb.	.1125-	.1170
Charcoal (see C).			
Graphite (see G).			
Iron oxide, synthetic, bgs., c.l., works	lb.	.10¾-	—
l.c.l., works	lb.	.11	- —
Lamp, bgs., c.l., works	lb.	.07	- .30
Mineral, bgs., works	lb.	.0160-	0675
Black ash (see Barium sulphide).			
Blackberry root, bls	lb.	.12	- .13
bark of root, bls	lb.	.32	- .33
Black dyes (see Dyes).			
Black haw, root bark, bls	lb.	.80	- .82
Tree bark, bls	lb.	.28	- .30
Black Indian hemp root, bls	lb.	.50	- .52
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	77.50	- —
l.c.l., works	ton.	85.00	- —

Blanc fixe, dry, direct process, bgs., c.l., works	ton.	85.00	- —
l.c.l., works	ton.	90.00	- —
N. Y. whse.	ton.	108.00	- —
bbls., c.l., works	ton.	90.00	- —
l.c.l., works	ton.	95.00	- —
N. Y. whse.	ton.	113.00	- —
pulp, 66⅔%, bbls., c.l., works,	ton.	67.00	- —
l.c.l., same basis	ton.	73.00	- —
Bleaching powder, dms., c.l., works, 100 lbs.		4.23	- —
l.c.l., works	100 lbs.	4.73	- —
Blood, dried, 16-16½% ammo., bgs., unit-ton		9.25	- —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton		9.00	- —
soluble, bgs., c.l.	lb.	.17	- .19
l.c.l.,	lb.	.18	- .23
Bloodroot, bls	lb.	.58	- .60
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.90	- —
Toner, bbls., litho flushed, same basis	lb.	1.10	- —
Celestial, bbls., same basis	lb.	.15	- .16
Chinese, bbls., same basis	lb.	.45	- —
Cobalt, genuine, bbls., same basis	lb.	4.90	- —
Imitation (see Blue, ultramarine).			

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CAFFEINE, CITRATED, U.S.P.

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ANILINE OIL

BLEACHING POWDER, 70%

DIMETHYLANILINE

FORMIC ACID, 90%

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Blue, Copper-phthalocyanine—Calcium Pantothenate

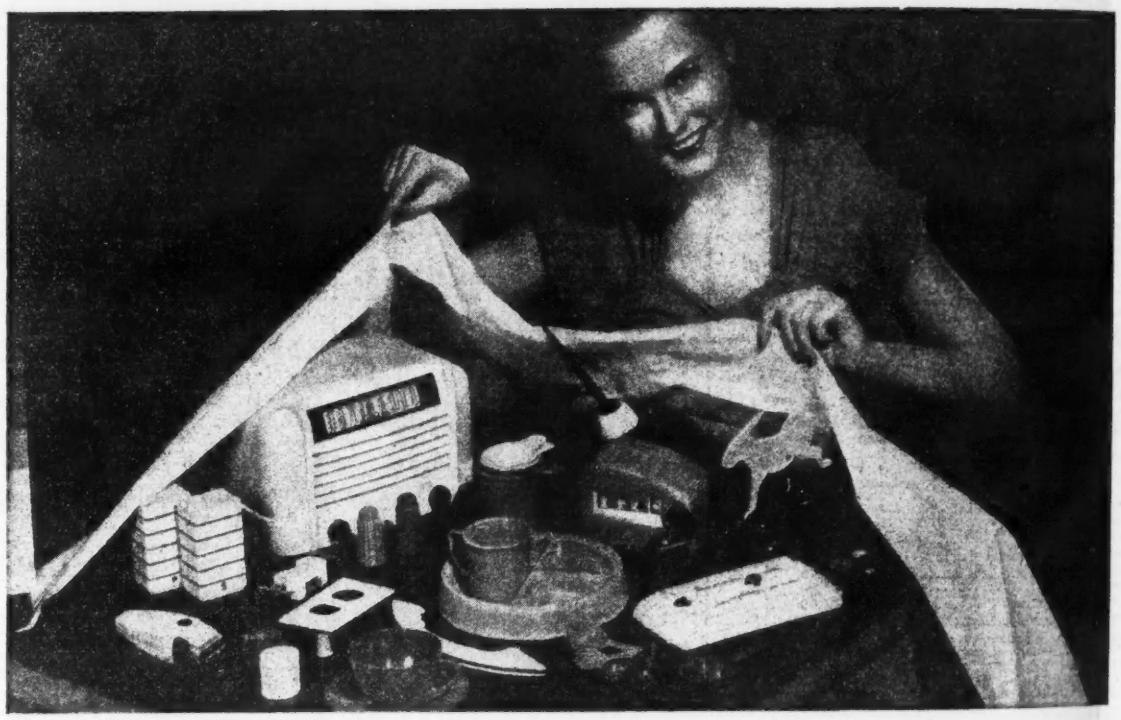
Blue, copper-phthalocyanine, full strength, bbls., same basis..lb. 3.75 - 3.95
80%, bbls., same basis.....lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis..... lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis..lb. 3.75 - —
Tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis....lb. .51 - —
Prussian, bbls., same basis.....lb. .45 - —
soluble, bbls., same basis....lb. .45 - —
Soda CP, bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis..lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls .....lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis...lb. 2.60 - 2.70
Blue dry colors, dlvd. prices 1/2c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. .....lb. .55 - .60
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. .....lb. .08 - .09
Bone, raw, bulk, Chicago.....ton.75.00 - —
junk, bulk, same basis....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. work, ton.65.00 - —
Chicago, works ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.60.00 - —
Chicago, works .....ton.60.00 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. .....lb. .15 - .16
Borage flowers, bls. .....lb .45 - .50
Borax, tech., 99½%, cryst., paper bgs., c.l., works, frt. split ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.97.50 - —
less ton lots, same basis ton.102.50 - —
bbls., c.l., works, frt. split ton.94.50 - —
ton lots, ex whse., N. Y. or Chi ton.117.50 - —
less ton lots, same basis ton.122.50 - —
fine, gran., bulk, works ton.44.50 -47.50
paper bgs., c.l., works, frt. split ton.48.50 - —
ton lots, ex whse., N. Y. or Chi ton.71.50 - —
less ton lots, same basis. ton.76.50 - —
bbls., c.l., works, frt. split ton.63.50 - —
ton lots, ex wnse., N. Y. or Chi ton.91.50 - —
less ton lots, same basis. ton.96.50 - —
powdered, paper bgs., c.l., works, frt. split ton.53.50 - —
ton lots, ex whse., N. Y. or Chi ton.76.50 - —
less ton lots, same basis. ton 81.50 - —
bbls., c.l., works, frt. split ton.73.50 - —
ton lots, ex whse., N. Y. or Chi ton.96.50 - —
less ton lots, same basis. ton.101.50 - —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bags. USP, $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis .....lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis... lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd lb. .19 - —
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol, bots .....lb. 4.65 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works.lb. .50 - .60
moulding, cans, dms., works.lb. .80 - 1.00
printing ink, cans, dms., works lb. .95 - 1.10
radiator, cans, dms., works.lb. .60 - .65
Broomtop, bls. .....lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½- —
Oxide, metallic, bgs., works lb. .03 - .03¼
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, paper bags., c.l., works lb. .03¾- .14¾
l.c.l., works .....lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works .....lb. .04¼- .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾- .05¾
l.c.l., bgs., works... lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y.lb. .05¾- .07¾
l.c.l., works.....lb. .06 - .08
raw, American, bgs., same basis lb. 0.3¾- .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works.....lb. .09¾- .12
Brucine, cns., 100 ozs..... oz. .40 - .50
Sulphate, cns., 100 ozs..... oz. .30 - .40
Bryonia root, bls.....lb. .35 - .36
Buchu leaves, bls. .....lb. .85 - .90
Buckthorn bark, bls .....lb. .23 - .24
cut and sifted, bls.....lb. .26 - .28
Berries, bgs.....lb. .85 - 1.00
Burdock, root, bls. .....lb. .23 - .25
Butadiene, cyls., refy.....lb. .19 - —
tanks, same basis.....lb. .11½- —
Butane, indust., tanks, group 3 gal. .06 - —

Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss..lb. .19 - —
l.c.l., same basis.....lb. .20 - —
tanks, same basis.....lb. .17½- —
tankwagons, same basis lb. .18 - —
other production, dms., c.l., same basis..lb. .19 - .19½
l.c.l., same basis.....lb. .20 - .20½
tanks, same basis.....lb. .17½- .18
synthetic, normal, dms., c.l., same basis..lb. .19 - —
l.c.l., same basis.....lb. .20 - —
tanks, same basis.....lb. .17½- —
secondary dms., c.l., dlvd. E. of Miss. lb. .14½- —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Normal butyl acetate W. of Miss., ½c. per lb. higher.
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works....lb. .20½- —
l.c.l., works .....lb. .21½- —
tanks, works.....lb. .19½- —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50-50, cns., works..lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .43½- —
l.c.l., same basis.....lb. .46½- —
tanks, same basis.....lb. .44 - —
Laurate, dms., works.....lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works .....lb. .63 - .67
P-4, cns., works .....lb. .65 - —
Myristate, dms., works.....lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Butyl phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. No stocks
tanks, dlvd. .....lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies..lb. .43½- —
l.c.l., same basis.....lb. .44½- —
Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars.....lb. 2.04 - 2.05
Iodide, jars.....lb. 5.09 - 5.10
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd.lb. 2.00 - —
patent shapes, cs., dlvd.....lb. 2.10 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more..lb. 4.75 - 8.00
anhydrous, dms., 100 lbs. or more..lb. 5.00 - —
Citrated, dms., 100 lbs. or more.lb. 3.00 - —
Hydrobromide, bots. .....lb. 6.50 - —
Calabar beans, bgs., futures....lb. .65 - .66
Calamus root, dom., bgs. .....lb. .28 - .30
imported, bleached, bls.....lb. .70 - .88
peeled, bls.....lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works..gram. 4.00 - —
1,000 to 10,000 s.u., works..gram. 4.40 - —
less than 1,000 s.u., works..gram. 4.80 - —
In edible oil, dms., 10,000 or more. .10 - —
1,000 to 10,000 s.u., works...unit. .11 - —
less than 1,000 s.u., works..unit. .12 - —
Calcium acetate, bgs., dlvd...100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .10½- —
l.c.l., same basis.....lb. .11½- —
Bromide, NF, jars.....lb. .75 - .85
Carbide, dms., c.l., works...ton.114.00 -147.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars...lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald..ton.22.00 -
l.c.l., same basis .....ton.37.00 -67.00
liquor, works, basis 40%, tankcars, ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis..ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
Chromate, bgs., frt. equald.....lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies, ...lb. .30 - .50
Gluconate, AA, bbls.....lb. .65 - .72
cns. .....lb. .83 - .90
USP, bbls. .....lb. .58 - .65
cns. .....lb. .76 - .83
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, NF, fib. dms. lb. 1.65 - 1.80
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, cased (45 lbs.) same basis cs.19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars.....lb. 4.12 - —
Lactate, USP, dms.....lb. .37 - .44
Laurate, bbls.....lb. .43 - .44
Mandelate, USP, dms., works...lb. 1.85 - 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld..lb. .23¾- .24¼
Pantothenate, dextro, jars..gram. .07½- —

Life ...on the



BIG STEP FORWARD in manufacture of urea-formaldehyde thermosetting plastics was made when Cyanamid recently introduced a new type faster-curing molding material known as BEETLE* Medium Fast-Cure. This new material will cut production costs on hundreds of plastic items like those shown above by reducing the normal molding time as much as 45% to 68% below that required for standard urea materials. In some tests, production increases up to 89% were achieved. This new plastic is the result of more than three years' experimentation and evaluation to improve further the quality and working properties of Cyanamid's Beetle Plastic.

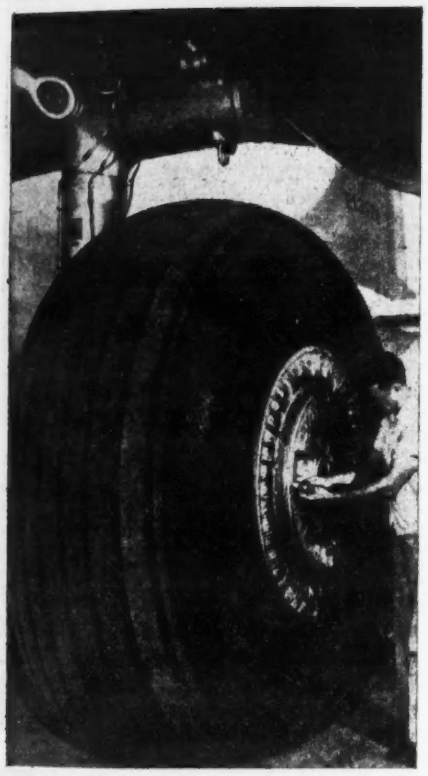
A NEW, FASTER-DRYING RESIN for surface coatings has recently been developed by Cyanamid's Coating Resins Department. Known as CYCOPOL† S 101-1, it is a styrenated alkyd, the first of a series of new copolymer resins. It is especially adapted for use in low-cost industrial finishes and in fast-drying household enamels, combining excellent color and gloss with good adhesion and film properties. CYCOPOL S 101-1 is an outstanding research development and an important addition to Cyanamid's extensive line of Synthetic Resins for Superior Surface Coatings.

Calcium phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feeding grade, bgs., works ton. 105.00-125.00
food grade, bbls., 10 or over, works lb. .07 - .07⅞
less than 10, works lb. .08 - .10
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
less, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.60 - —
bgs., l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld, works lb. .24 - —
Silicate, hydrated, bgs., c.l., works, lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works, lb. .39 - —
l.c.l., works lb. .40 - .41
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton. 45.00 - —
70%, bgs., c.l., works ton. 50.00 - —
luminous tins, works lb. 1.25 - —
Sulphocarbolate, bbls., dms lb. .39 - .60
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 - .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb. 1.97 - 1.98
Camphor, monobromated, dms., kgs. lb 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½- —
smaller lots lb. .45 - .55
Camphor, synth., USP, gran., powd., bbls., 2,000-lb. lots lb. .66 - —
1,000-lb. lots lb. .67 - —
smaller lots lb. .68 - —
tablets, tins, 2,000-lb. lots lb. .83 - —
1,000-lb. lots lb. .84 - —
smaller lots lb. .85 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 1.25 - 1.30
powd., bxs lb. 1.40 - 1.50
Russian, bgs. lb. 5.00 - 5.25
powd., bxs. lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, bbls gal. 1.05 - —
Caraway seed, Danish, bgs., afloat, lb. .19 - .19½
Dutch, bgs lb. .20 - .20½
Carbazole, 97%, dms., ton lots, works lb. 1.55 Nom.
Carbinol butyl, normal, dms., l.c.l., works lb. .42 - —
secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld, E lb. .14½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .05¾- —
l.c.l., same basis lb. .06¾- —
5-gal. dms., c.l., same basis lb. .07¾- —
l.c.l., same basis lb. .08¾- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .08½- .11
tech., dms., E. of Rockies, c.l., frt. alld lb. .07½- —
W. of Rockies, c.l., frt. alld. lb. .08 - —
l.c.l., frt. alld. lb. .08 - —
USP, cbys lb. .17 - .19
Carboxymethylcellulose-Sodium—See CMC.
Cardamom fruit, bleached, bold, cs., lb. 2.25 - 2.35
medium, cs. lb. 1.90 - 1.95
decorticated, Guatemalan, cs. lb. 1.85 - 1.88
Indian, cs. futures lb. 1.82 - 1.85
green, Alleppey, bgs., futures lb. 1.58 - 1.60
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn. cn. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.80 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works, milli. units. .32 - —
dms., works, milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works, milli. units. .50 - —
Carvol, bots lb. 9.50 -16.00
Cascara sagrada bark, bulk lb. .37 - .40
Case-hardening mixture, 30% gran., dms., l.c.l., dlvd. lb .09¾- —

Calcium Phosphate—Chromium Cake

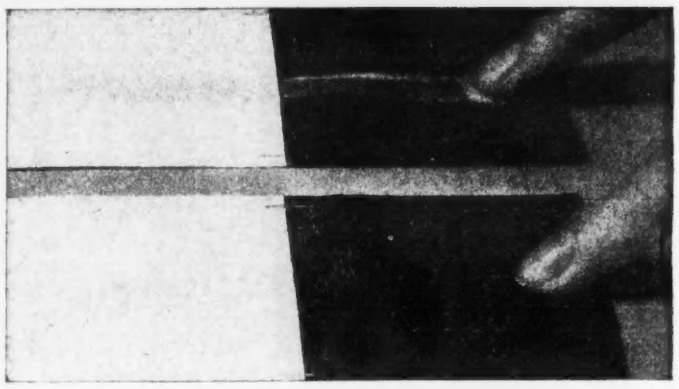
Casein, dom., acid-precip., bgs., 10,000 lbs. or more ship't point lb. .30 - —
rennet-precip., 10,000 lbs or more, same basis lb. .34 Nom.
imported, acid-precip., ground, bgs., or more lb. .25½- .27
rennet-precip., unground, 100 or more lb. .30 Nom.
Cassia, bark, Batavia, No. 1 lb. .45 - .46
broken, bls lb. .34 Nom.
shortstick, bls lb. .26 Nom.
China, buds lb. .35½- .36
rolls, select, cs lb. .11¾- .12¼
broken, bls lb. .11 - .11½
Kwangsi, rolls, bls lb. .12 - .12½
Saigon, broken, bls lb. .28 - .29
medium, bls lb. .35 - .35½
thin, bls lb. .41 - .41½
Yunnan, bls lb. .19 - .20
Buds, China, bgs. lb. .34 - .34½
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Nov. ship't, Brazilian ports long-ton. 115.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 27.50 - —
Castoreum, nat., cns lb. 12.00 45.00
synthetic, cns lb. 22.00 - —
Catechol, CP, cryst., fib. dms., works, lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnep, bls. lb. .55 - .60
Celery seed, French, bgs. lb. .26½- .27
Indian, bgs lb. .22 - .22½
futures, bgs. lb. .21½- .22
Celluloid scrap (see Pyroxylin scrap)
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - —
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .49 - .51
regular black, dms., l.c.l., same basis lb. .35 - .39
variegations, dms., l.c.l., same basis lb. .54 - .59
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. and over, works lb. .52 - —
less than 500 lbs., works. lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. and over, works. lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works. lb. .53 - —
less than 500 lbs., works lb. .54 - —
gran., 37% butyryl content, ctns., 500 lbs. and over, works. lb. .51 - .57
less than 500 lbs., works lb. .52 - .58
48% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works. lb. .58 - —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .47 - .51
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb. lots, works lb 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02¾- .03½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 -40.00
rubber makers, bgs., c.l., works ton. 30.00 - —
Chamomile, Hungarian, cs lb. .46 - .50
Roman, bls. lb. 1.25 - 1.50
Charcoal, hardwood, briquets, bulk, c.l., works ton. 49.50 - —
bgs., c.l., works ton. 54.50 -55.50
granular, bgs., incl., c.l., works. ton. 50.50 - —
lump, bulk, c.l., works ton. 39.50 -43.50
bgs., extra, returnable, c.l., works ton. 42.50 -45.50
screenings, bgs., works ton. 33.50 - —
Pinewood, gran., powd., bgs., c.l., works, South ton. 40.00 - —
l.c.l., works. ton. 50.00 -60.00
lump, bgs., c.l., works, South. ton. 35.00 - —
Willow, powd., bbls lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0465- —
l.c.l., works lb. .0495- —
tanks lb. .0390- —
powd., 65% tannin, bgs., extra, c.l., works lb. .1105- —
l.c.l., works lb. .1170- .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton. 12.50 -13.00
l.c.l., works ton. 13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
99% 200 mesh, bgs., c.l., works ton. 10.00 -12.00
l.c.l., works ton. 11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works. ton. 13.00 - —
paper bgs., c.l., works. ton. 15.00 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton. 16.00 -35.00
powd., bgs., c.l., ex dock ton. 45.00 - —
l.c.l., ex whse ton. 50.00 -55.00
Chloral, dms., works lb. .45 - .50
Hydrate, jars lb. .90 - .93
Chlordane, agricultural, dms., c.l., works lb. 1.05 - 2.00
refined, dms., works lb. 1.20 - 2.13
Chlorinated rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms lb. .20 - .23
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chloropicrin, com'l. bots lb. 1.35 - —
cyls., 180-lbs., frt. alld lb. .85 - —
100-lbs., same basis lb. .87 - —
25-lbs., same basis lb. 1.12 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., cs. lb. .09¼- —
8½%, bbls., cs. lb. No stocks
Cake, bulk, c.l., works ton. 16.00 - —

Chemical Newsfront



TIRE ON THE LANDING GEAR which was tried out on an experimental prototype of the new B-36 bomber stands higher than a man, as the above picture shows. But regardless of size; most tires owe their resiliency to the rubber itself; toughness, long life, and other characteristics must be imparted by the use of chemicals and other materials.

Cyanamid has long been an important supplier to the Rubber Industry of processing aids; vulcanizing agents, accelerators, activators; and organic chemical intermediates.



IMPROVED WET-RUB RESISTANCE in starch-pigment paper coatings has been achieved by Cyanamid's new PAREZ* Resin 611, a melamine-formaldehyde resin. In photograph above, note how coating on bottom sheet, to which resin has been added, remains rub-proof, while untreated coating on upper sheet rubs off.

STATIC ELECTRICITY, which hitherto has hindered production of many textile yarns and fabrics, is minimized by pre-application of Cyanamid's AEROTEX† SOFTENER H. Although this product was originally developed to impart softness and suppleness to both natural and man-made fabrics; it has been found that it increases handling and "boxing" efficiency in the mill by eliminating "fabric floating" and the annoyance of electric shock, even in the case of the vinylidene chloride type.

*Reg. U. S. Pat. Off. †Trademark

AMERICAN Cyanamid COMPANY

30 ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Chromium Fluoride—Dibutoxyethyl Sebacate

Chromium fluoride, bbls., works lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls. lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. lb. 7.11 - —
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, N.F., heavy, dms., works lb. 4.20 - 4.30
standard, dms., works lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms lb. .75 - 1.25
Cinnamon, Ceylon, No. 2, bls lb. .28 - .29
Citral, bots., cns. lb. 3.75 - 5.00
Citronellal, bots., dms. lb. 2.75 - 7.75
Citronellol, bots., dms. lb. 3.25 - 4.75
Clover tops, red, dom., bgs. lb. .60 - .70
imported, bgs. lb. No stocks
Clove, Madagascar, bls lb. .12 - .12¼
futures, bls. lb. .13 - .15
Zanzibar, bls lb. .18½ - .19
CMC, high vis., ctns., 2,000 lbs., works, frt. alld lb. .66 - —
smaller lots, same basis lb. .70 - —
low and medium vis., ctns., 2,000 lbs., works, frt. alld lb. .62 - —
smaller lots, same basis lb. .66 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., works gal. .24½ - —
l.c.l., works gal. .26 - —
tanks, works gal. .14½ - —
refd., bbls., c.l., works gal. .25½ - —
l.c.l., works gal. .27 - —
tanks, works gal. .15½ - —
Cobalt acetate, bbls., dlvd. lb. .90 - —
Carbonate, powd., bgs., works lb. 1.53 - —
feed grade, 49½% Co, kgs lb. 1.53 - —
Chloride, kgs., works lb. .87½ - —
feed grade, 24.5% Co, kgs lb. 1.25 - —
Hydrate, bbls lb. 2.04 - —
feed grade, 62% Co, kgs lb. 2.04 - —
Linoleate, paste, 6% Co, dms lb. .56 - —
solid, 8½% Co, dms lb. .65 - —
8% Co, dms lb. .61¼ - —
Naphthenate, liq., 6% Co, dms., frt. alld lb. .37¼ - .37¾
Nitrate, feed grade, 20.4% Co, bbls lb. .75¾ - —
Oxide, black, kgs lb. 1.27½ - 1.80
Phosphate, feed grade, 34% Co, kgs lb. 1.26½ - —
Resinate, precip., 7.5% Co, dms lb. .38½ - —
Sulphate, dms lb. .65 - —
feed grade, 21% Co, kgs lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Phila., Cleve., or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs lb. 75 - —
Cocaine hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocillana bark, bgs. lb. .21 - .22
Cocoa butter, bgs lb. .89 - .90
Codeine, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs oz. 11.85 - —
Phosphate, cns., 100 ozs oz. 10.25 - —
Sulphate, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .20 - .21
Blue, root, bls lb. .18 - .19
Colchicine, bots., cns oz. No stocks.
Colchicum seed, bgs., futures lb. 3.00 - 3.25
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½ - .30½
Colocynth, pulp, bls. lb. .45 - .47
Colombo root, bls lb. .18 - .19
Coltsfoot leaves, bgs lb. .40 - .45
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms lb. .62 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 52-54%, bbls lb. .25¼ - .26¼
Chloride, anhyd., bbls lb. .29 - —
crystals, bbls lb. .20 - .20¾
Cyanide, tech., bbls lb. .46 - —
Hydrate, dms., dlvd. E. Miss lb. .27½ - .28
Metal, electrolytic lb. .23½ - —
Naphthenate, liquid, 8% Cu. dms., frt. alld lb. .22¾ - .23¼
Nitrate, tech., cryst., bbls., works lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾ - —
12.5% Cu, bbls lb. .44½ - —
Oxide, black, bbls., works lb. .30½ - .32½
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ - .27¼
Resinate, precip., dms., frt. alld lb. .25 - —
Stearate, bgs., works lb. .39½ - —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 9.10 - —
Copper sulphate, monohydrated, 35% dms., c.l., dlvd 100 lbs. 13.50 - —
l.c.l., dlvd 100 lbs. 14.00 - 14.50
tribasic, dealers, bgs., works, c.l. lb. .22¾ - —
l.c.l., works lb. .23¾ - 24¼
Copperas, cryst., gran., bgs., c.l., works ton. 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.00 - —
Copra, c.i.f., Pacific ports ton. 265.00 Nom.
Atlantic or Gulf ports ton. 270.00 Nom.
Coriander seed, Argentine, bgs., futures lb. .05½ - .06
Italian, bgs. lb. .06 - .06½
Moroccan, bgs. lb. .06¼ - .06½
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.59 - —
bbls., c.l., same basis 100 lbs. 5.64 - —
Syrup, 42°, bbls., c.l. 100 lbs. 5.95 - —
l.c.l. 100 lbs. 6.10 - —
Cornsilk, bls. lb. .17 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls. lb. .33 - .38
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S.E. ton. 72.00 - —
Coumarin, cns., 25 lbs. lb. 3.00 - 3.10
smaller lots lb. 3.05 - 3.15
Cramp bark, NF, bls lb. .80 - .85
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .32½ - —
smaller lots lb. .33 - .34
Imported, kgs. lb. .30½ - .39¾
Creosote, beachwood, bots., cbys. lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .16 - .19¼
refined, dms., c.l., works gal. .38½ - —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
Hardwood, NF, bots., cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Creosote carbonate, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .19¼ - .19¾
tanks, same basis lb. .18¼ - .18½
USP, dms., c.l., same basis lb. .18¾ - .19¼
l.c.l., same basis lb. .19¼ - .19¾
tanks, same basis lb. .18¼ - .18¼
Crotonaldehyde, 91-93%, dms., 55 and 110 gals., l.c.l., works lb. .16½ - .26
5 and 10 gals., l.c.l., works lb. .22 - —
Cryolite, nat., dealers, bgs., bbls., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works 100 lbs. 13.75 - 14.75
Cube root, powd., 5% rotenone, bbls., works lb. .31 - .33
Cubeb berries, XX NF bgs. lb. .50 - .55
powd., cs. lb. .60 - .65
Culvers root, bbls lb. .60 - .70
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Cyprian, bgs. lb. No stocks
Indian, bgs., futures lb. .40 - .41
Italian, bgs lb. .08½ - .09
Moroccan, bgs lb. No stocks.
Persian, bgs. lb. .19 - .19¼
Syrian, bgs. lb. .22 Nom.
Cutch, extract, 55% tannin, bgs., ex dock lb. .09½ - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.55 - —
pulv., 21% N., bgs., same basis unit-ton. 2.45 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½ - .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½ - —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .28
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, cyls., dlvd. gal. .27 - —

D

Damiana leaves, bls lb. .45 - .50
Dandelion root, bls. lb. .45 - .50
DDT, fiber dms., c.l., works lb. .34 - .36
ton lots, works lb. .35 - .38
smaller lots lb. .42½ - .45½
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton. 41.65 - 52.50
Rock, paper bgs., works ton. 34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .16 - .18
over 2% ffa., bbls lb. .15 - .17
Derris root, 5% rotenone, powd lb. .40 - —
Dextrin, corn, British gum, bgs., c.l., 100 lbs. 7.09 - —
Chicago 100 lbs. 6.50 - —
l.c.l. 100 lbs. 7.24 - —
Canary, bgs., c.l. 100 lbs. 6.83 - —
Chicago 100 lbs. 6.24 - —
l.c.l. 100 lbs. 6.98 - —
dark, bgs., c.l. 100 lbs. 6.93 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.08 - —
white, bgs., c.l. 100 lbs. 6.68 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.83 - —
Potato, dom., bgs lb. .10½ - .11½
Above prices are for dextrin in paper bgs.; cotton bgs., 17c. higher.
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.20 - 5.55
laboratory grade, bots., 100 grams 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.54 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 - 52.00
California ton. 38.00 - 40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
l.c.l., lb. .09 - —
tanks gal. .53 - .56
Dibenzyl sebacate, dms., c.l., works. lb. .71½ - —
l.c.l., works lb. .72 - —
tanks, works lb. .70 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .59½ - —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —

producing

Acetic Acid
Muriatic Acid
Sodium Benzoate, U.S.P.
Benzaldehyde, technical and NF
Cinnamic Aldehyde
Methanol (natural)
Hardwood Charcoal
Charcoal Briquettes
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Our new Fine Chemical Plant which will be completed and in operation early in 1949.

expanding

Tennessee Products & Chemical Corporation

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Dibutyl phthalate, dms., c.l. lb. .33½- .38½
l.c.l. lb. .34½- .39
tanks lb. .32 - .37
Sebacate, dms., c.l., works lb. .64¼- —
l.c.l., works lb. .64¾- —
tanks, works lb. .62¾- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .52½- —
l.c.l., frt. alld lb. .53½- —
tanks, frt. alld lb. .50 - —
Dicapryl sebacate, dms., c.l., works, lb. .59½- —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
Dichloroanilin, dms., works lb. .75 - —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works lb. .42½- —
ton lots, works lb. .45 - —
tins, small lots, works lb. .48 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .26 - —
Dicoumarol bots, works lb.18.00 - —
Dicyclohexylamine, dms., works lb. .33 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., frt. alld, E lb. .26 - —
l.c.l., same basis lb. .27 - —
smaller containers, same basis lb. .30 - —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., l.c.l. lb. .46½- —
Maleate, tons, c.l., dlvd. lb. .62½- —
l.c.l., dlvd. lb. .61½- —
tanks, dlvd. lb. .60 - —
Oxalate, dms., c.l. lb. .35½- —
l.c.l. lb. .36½- —
tanks lb. .34 - —
Phthalate, dms., c.l., frt. equald lb. .33½- —
l.c.l., frt. equald lb. .34 - —
tanks, frt. equald lb. .32 - —
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld, E. of Miss lb. .75 - —
Diethylaniln, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt alld, E lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15½- —
Diethylether, dms., l.c.l., works lb. .40 - —
Diethyleneglycol monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works, lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, bots kilo.300.00 -330.00
Digitalin, cryst., bots gram.18.00 -19.00
powd., bots gram. 1.25 - 1.75
Digitalis leaves, dms lb. .85 - 1.00
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l. lb. .33 - —
Stearate, bbls., c.l. lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .47 - —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Dihydrostreptomycin, hydrochloride and sulphate, hospitals, gram. 1.60 - —
wholesalers gram. 1.25 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works, lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Dillseed, decorticated, bgs lb. .16 Nom.
dewhiskered, bgs. lb. .11 - 11¼
Dimethyl phthalate, dms., c.l., dlvd. lb. .27½- —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .26 - —
Sebacate, dms., c.l., works lb. .73 - —
l.c.l., works lb. .73½- —
tanks, works lb. .71½- —
Sulphate, ret. 55-gal. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
ret. 10-gal. dms., works lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100% lb. .38½- .43¼
25%-40%, dms., c.l., works, basis 100% lb. .33 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb. .33 - —
Dimethylaniline, dms., c.l. lb. .21 - .25¾
l.c.l. lb. .25 - .26¾
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .21¾
Dinitrochlorobenzene, dms lb. .14 - .17
Dinitrophenol, bbls lb. .22 - .26¾
Dinitrotoluene, oily, dms lb. .07 - .08½
refd., dms lb. .17¾- .18¾
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .44½- —
l.c.l., frt. alld lb. .45½- —
tanks, frt. alld lb. .43 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .33 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC, gal. .59 - —
l.c.l., same basis gal. .53 - .63
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .48 - .61
dms. lb. .45 - .56
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .35 - —
smaller lots lb. .40 - —
Dipropylene - glycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —

Divi-divi, 43% tannin, bgs., bis., c.l., U. S. ports, ex dock ton.64.00 -66.00
Divinylbenzene, 18%, dms., c.l., works lb. .23 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .69 - —
l.c.l., works lb. .70 - —
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.50 - 1.55
reeds, cs. lb. 2.50 - 2.75

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns lb.15.75 -16.30
No. 2, cns lb.15.75 -16.30
Green, FD&C, No. 1, cns lb.15.75 -16.30
No. 2, cns lb.20.55 -21.15
No. 3, cns lb.32.65 -33.25
Orange, FD&C, No. 1 cns lb. 3.40 - 3.50
No. 2, cns lb. 4.30 - 4.40
Red, FD&C, No. 1, cns lb. 7.00 - 7.25
No. 2, cns lb. 3.70 - 3.80
No. 3, cns lb.20.55 -21.15
No. 4, cns lb. 6.65 - 6.85
No. 32, cns lb. 4.90 - 5.00
Yellow, FD&C, No. 1, cns lb. 9.70 -10.25
No. 3, cns lb. 3.10 - 3.15
No. 4, cns lb. 3.10 - 3.15
No. 5, cns lb. 3.70 - 3.80
No. 6, cns lb. 3.70 - 3.80

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns lb.10.10 - —
Blue, D&C, No. 4, cns lb.13.55 - —
Brown, D&C, No. 1, cns lb.14.90 - —
Green, D&C, No. 5, cns lb.14.90 - —
No. 6, cns lb.14.90 - —
No. 7, cns lb.13.70 - —
Orange, D&C, No. 3, cns lb.10.10 - —
No. 4, cns lb.18.55 - —
No. 5, cns lb. 5.25 - —
No. 10, cns lb.19.15 - —
Red, D&C, No. 8, cns lb. 3.45 - —
No. 9, cns lb. 3.45 - —
No. 10, cns lb. 2.75 - —
No. 11, cns lb. 2.05 - —
No. 12, cns lb. 2.75 - —
No. 17, cns lb.10.10 - —
No. 18, cns lb.22.20 - —
No. 21, cns lb. 4.35 - —
No. 22, cns lb.10.10 - —
No. 28, cns lb.22.80 - —
No. 33, cns lb.16.15 - —
Violet D&C, No. 1, cns lb.13.55 - —
No. 2, cns lb.14.90 - —
Yellow, D&C, No. 7, cns lb.10.10 - —
No. 8, cns lb.10.10 - —
No. 10, cns lb.12.50 - —
No. 11, cns lb.12.50 - —
No. 22, cns lb. 9.15 - —
No. 33, cns lb.14.65 - —
No. 37, cns lb.13.55 - —

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns lb.14.90 - —
Red, Ext. D&C, No. 2, cns lb.12.50 - —
No. 3, cns lb.26.40 - —
Yellow, Ext. D&C, No. 1, cns lb.10.10 - —

Dibutyl Phthalate—Dyes, Coaltar, General Use

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
20 Chrysodine G lb. .53 - .53
27 Orange G lb. .64 - .67
31 Amido naphthol red G lb. .53 - .56
36 Alizarine yellow 2G lb. .74 - .76
40 Alizarine yellow R lb. .87 - .91
57 Amido naphthol red 6B lb. .87 - .91
79 Ponceau R lb. .61 - .64
131 Orange I lb. .39 - .41
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .75 - .76
179 Azo rubine lb. .85 - .88
180 Diamond blue 3B lb. .83 - .88
185 Cochineal red A lb. .77 - .80
202 Chrome blue black R lb. .51 - .53
203 Chrome black T lb. .59 - .62
205 Sulphon acid blue R lb. .75 - .80
216 Acid alizarin red B lb. .69 - .72
234 Resorcin brown lb. .74 - .77
246 Naphthol blue black lb. .64 - .67
278 Benzo fast red SBL lb. 2.66 - 2.73
289 Sulphon cyanine 5R extra lb. .90 - .94
299 Diamond black F lb. 1.13 - 1.18
304 Nerol 2B lb. 1.63 - 1.73
326 Benzo fast orange S lb. 1.41 - 1.46
332 Bismarck brown R lb. .67 - .70
365 Chrysophenine lb. 1.74 - 1.85
382 Diamine scarlet B lb. 1.47 - 1.53
401 Diamine black BH lb. .52 - .55
406 Benzo blue 2B conc lb. .88 - .94
419 Diamine fast red F lb. .94 - .97
420 Diamine brown M lb. .74 - .76
446 Benzo purpurine 4B lb. .88 - —
518 Diamine sky blue FF lb. 1.82 - —
561 Trisulphon brown B lb. 1.45 - —
831 Direct deep black EW extra. lb. .67 - —

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Sulphuric Acid
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Aluminum Chloride
Aluminum Sulphate
Antimony Trichloride
Borax
Boric Acid
Boron Trichloride
Carbon Disulphide
Carbon Tetrachloride
Caustic Soda
Chlorine
Citric Acid
Copperas
Hydrogen Chloride
Nitrate of Soda
Perchloroethylene
Potash Alum
Potassium Nitrate U.S.P.
Rochelle Salt
Sal Soda
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Sodium Hydrosulphide
Sodium Sulphate
Sulphur Chloride
Superphosphate 18%
Cream of Tartar
Tartaric Acid
Tartar Emetic
Titanium Trichloride
Titanium Tetrachloride
Sulphur

Also a Comprehensive Line of Agricultural Chemicals.

Stauffer CHEMICALS SINCE 1885

Dyes, Coaltar, General Use—Euphorbia Pil.

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

593	Diamine green B	lb.	.80	—
598	Congo brown G	lb.	1.20	—
620	Sun yellow	lb.	.69	—
639	Xylene light yellow	lb.	1.45	—
640	Tartrazine	lb.	1.20	—
655	Auramine	lb.	1.52	—
657	Malachite green	lb.	1.73	—
662	Brilliant green	lb.	2.30	—
667	Brilliant milling green B	lb.	3.03	—
671	Glaucine	lb.	1.43	—
680	Methyl violet B	lb.	.95	—
681	Crystal violet	lb	1.91	—
698	Formyl violet S4B	lb.	1.41	—
720	Chrome azurol B	lb.	3.03	—
729	Victoria blue B	lb.	2.48	—
737	Wool green S	lb.	1.98	—
749	Rhodamine B	lb.	3.85	—
814	Chloramine yellow	lb.	2.33	—
841	Safranine	lb.	2.17	—
865	Nigrosine WSJ 78	lb.	.56	—
922	Methylene blue GXX	lb.	1.23	—
969	Hydron blue R	lb.	.67	—
978	Sulphur black T extra	lb.	.26½	—
1027	Alizarin VI	lb.	.64	—
1034	Alizarin red S	lb.	2.30	—
1054	Alizarin saphiro' B	lb.	2.40	—
1078	Alizarin cyanine green	lb.	2.42	—
1085	Alizarin blue black B	lb.	2.13	—
1096	Indanthrene golden orange G, single paste	lb.	1.81	—
	double paste	lb.	3.62	—
1099	Indanthrene dark blue BO, single paste	lb.	1.45	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

1101	Caledon jade green	lb.	2.32	—
1106	Indanthrene blue RS, single paste	lb.	2.12	—
	double paste	lb.	2.13	—
1113	Indanthrene blue GCD, double paste	lb.	1.60	—
1150	Indanthrene olive R, single paste	lb.	1.08	—
1151	Indanthrene brown R, single paste	lb.	1.65	—
	double paste	lb.	3.29	—
1212	Indanthrene red violet RH, single paste	lb.	1.54	—
1217	Helindon orange R, single paste	lb.	1.57	—
p-4	Acid anthracine brown PG	lb.	2.30	—
p-14	Anthracene chromate brown EB	lb.	1.08	—
p-24	Benzo fast black L	lb.	1.80	—
p-80	Diazo brilliant scarlet ROA	lb.	2.61	—
p-202	Zambesi black V	lb.	.90	—
p-244	Celliton scarlet B	lb.	1.37	—
p-313	Naphthol AS-SW	lb.	2.74	—

Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse.

	Black, blue, No. 550	lb.	.67	—
	Jet, No. 551	lb.	.72	—
	Brown, R, conc	lb.	1.14	—
	Orange R, brilliant	lb.	.73	—
	Red, 4 B, conc	lb.	1.13	—
	Yellow, C	lb.	.96	—
	FN, conc	lb.	1.00	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.

	Auramine, O	lb.	1.54	—
	Black, basic, blue	lb.	1.00	—
	Jet	lb.	1.00	—
	Blue, methylene, 2 B, conc	lb.	1.33	—
	Brown, Bismarck, R, conc	lb.	.70	—
	Chrysodine, R, extra	lb.	.50	—
	Y, extra	lb.	.54	—
	Fuchsine, conc	lb.	2.63	—
	Green, malachite, conc	lb.	1.70	—
	Rhodamine, B	lb.	4.37	—
	Safranine, Y, conc	lb.	2.19	—
	Violet, methyl, B	lb.	.99	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

	Black, acid blue, B, extra	lb.	.67	—
	Orange, acid, Y, conc	lb.	.40	—
	Rhodamine, azo-R, extra, conc.	lb.	.79	—
	Scarlet, croceine, MOO	lb.	1.28	—
	Yellow, azo-, conc	lb.	.89	—
	Fast light, 3 G, extra	lb.	1.85	—
	Methanil, conc		.77	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls		lb.	.50	.55
Egg albumen (see Albumen).				
	Yolk, dried, dom., bbls	lb.	.96	1.02
	tanners, bbls	lb.	.06	.07
Elder flowers, bright, bls		lb.	.45	.50
Elecampane root, bls		lb.	.27	.28
Elm bark, grinding, bls		lb.	.35	.38
	powd., bbls., bxs.	lb.	.46	.47
	select, bndls.	lb.	.60	.65
Emetine hydrochloride, bots		oz.	42.50	48.00
Ephedra herb, bls		lb.	.90	.21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs		oz.	.98	—
	hydrous, bots., 100 ozs	oz.	.92	—
	Hydrochloride, tin, 100 ozs	oz.	.73	—
	Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
	powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works		lb.	.36½	—
	l.c.l., works	lb.	.37	—
	tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots		gram	.60	.70
Epsom salt, tech., bgs., c.l.		100 lbs.	2.30	—
	l.c.l.	100 lbs.	3.05	—
	USP, cryst., bgs., c.l.	100 lbs.	2.50	—
	l.c.l., 5,000 lbs., 1 with drawal	100 lbs.	3.25	—
	smaller lots	100 lbs.	3.50	—

Epsom salt prices freight equalized; Baltimore, Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.

Ergot, USP, ens.		lb.	1.30	1.35
Eserine, bots		oz.	57.00	59.00
	Sulphate, bots	oz.	60.00	61.00
Ether, acetate (see Ethyl acetate).				
	Amyl, dms., c.l., works	lb.	.095	—
	l.c.l., works	lb.	.102	—
	tanks, works	lb.	.085	—
	Butyl, dms., c.l., dlvd	lb.	.30½	—
	l.c.l., dlvd	lb.	.31	—
	tanks	lb.	.29	—
	Butyric (see Ethyl butyrate).			
Ether dichloroethyl, purif., dms., works		lb.	.16½	—
	l.c.l., same basis	lb.	.17	—
	tanks, same basis	lb.	.15	—
Ethyl (see Ether, sulphuric).				
	Isopropyl, dms., c.l., dlvd	lb.	.63	—
	l.c.l., dlvd	lb.	.66½	—
	tanks, dlvd	lb.	.64½	—
	Nitrous, conc., bots., 100 lbs	lb.	.93	1.10
		lb.	.93	1.10
	Sulphuric, conc., dms.	lb.	.18	.23
	USP, anesthesia, hospital, cans	lb.	.75	1.05
	synthetic, dms., c.l., frt. alld	lb.	.13½	—
	l.c.l., same basis	lb.	.14½	—
	tanks, same basis	lb.	.12	—
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.		lb.	.13½	—
	l.c.l., frt. alld	lb.	.14½	—
	tanks, frt. alld	lb.	.12	—
	95-98%, dms., c.l., frt. alld.	lb.	.14	—
	l.c.l., frt. alld	lb.	.15	—
	tanks, frt. alld	lb.	.12½	—
	99%, dms., c.l., frt. alld	lb.	.14¾	—
	l.c.l., frt. alld	lb.	.15¾	—
	tanks, frt. alld	lb.	.12¾	—
	NF, dms.	lb.	.23	—
	synthetic, 85-90%, dms., c.l., frt. alld	lb.	.13½	—
	l.c.l., frt. alld	lb.	.14½	—
	tanks, frt. alld	lb.	.12	—
	95-98%, dms., c.l., frt. alld	lb.	.13¾	—
	l.c.l., frt. alld	lb.	.14¾	—
	tanks, frt. alld	lb.	.12¼	—
	99%, dms., c.l., frt. alld	lb.	.14¼	—
	l.c.l., frt. alld	lb.	.15¼	—
	tanks, dlvd	lb.	.12¾	—
Acetoacetate, dms., c.l., works		lb.	.44	—
	l.c.l., works	lb.	.44½	—
	tanks works	lb.	.42½	—
Benzoate, bots		lb.	.60½	.66
Betacthoxypropionate, dms., works		lb.	.70	—
Bromide, tech., 98%, dms		lb.	.36	.40
Butyrate, bgs		gal.	4.75	—
	ens., works	lb.	.65	.70
	dms., works	lb.	.60	—
Carbamate, dms., dlvd. E.		lb.	.58	—
Chloride, tech., tanks		lb.	.13½	—
	USP, bbls., cyl.	lb.	.20	.22
Cinnamate, ens		lb.	2.30	3.60
Formate, dms		lb.	.33	—
Iodide, bots		lb.	4.03	4.27
Lactate, dms., works		lb.	.41	—
Methcrylate, M-2, dms., works		lb.	.60	—
	ens., works	lb.	.63	.67
	P-2, ens., works	lb.	.65	—
Myristate, dms., works		lb.	No prices.	
Oenanthate, dms		lb.	2.60	3.25
Oleate, dms., l.c.l., works		lb.	.75	—
Oxalate, dms., frt. alld		lb.	.33	—
Silicate, dist. (see Tetraethyl orthosilicate)				
	40% available SiO_2, dms., works.	lb.	.55	—
Ethylalphanaphthylamine, bbls		lb.	.50	—
Ethylanilin, dms		lb.	.60	—
Ethylbenzene, dms., c.l.		lb.	.14	—
	l.c.l.	lb.	.15	—
	tanks	lb.	.13	—
Ethylcellulose, fib. dms., 5,000 lbs., works		lb.	.52	—
	smaller lots, works	lb.	.54	.63
Ethyldiethanolamine, dms., l.c.l., works		lb.	.60	—
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies		lb.	.09	—
	W. of Rockies	lb.	.09½	—
	l.c.l., works, frt. alld., E. of Rockies	lb.	.11½	—
	W. of Rockies	lb.	.12	—
	smaller containers	lb.	.12½	—
	tanks, frt. alld. E. Rockies	lb.	.08	—
	W. of Rockies	lb.	.08½	—
Oxide, dms., c.l., works		lb.	.20	.21
	l.c.l., works	lb.	.21	.22
	tanks, works	lb.	.15	.16
Trichloride (see Trichloroethane).				
Ethylenediamine, tanks, works		lb.	.50	—
Ethyleneglycol, dms., c.l., frt. alld. E		lb.	.13½	—
	l.c.l., same basis	lb.	.16½	—
	tanks, same basis	lb.	.14	—
Diethylether, dms., l.c.l., works		lb.	.50	—
Monobutylether, dms., c.l., works.		lb.	.21½	—
	l.c.l., works	lb.	.22	—
	tanks, works	lb.	.20	—
Monoethylether, dms., c.l., works.		lb.	.18	—
	l.c.l., works	lb.	.18½	—
	tanks, works	lb.	.16½	—
Monoethylether acetate, dms., c.l., works		lb.	.16½	—
	l.c.l., works	lb.	.17	—
	tanks, works	lb.	.15	—
Monomethylether, dms., c.l., works		lb.	.19½	—
	l.c.l., works	lb.	.20	—
	tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works		lb.	.24½	—
	l.c.l., works	lb.	.25	—
	tanks, works	lb.	.23	—
Ethylethanolamines, mixed, dms., c.l., works		lb.	.32	—
	l.c.l., works	lb.	.33	—
Ethylmonoethanolamine, l.c.l., dms., works		lb.	.80	—
Ethylmorphine, hydrochloride, bots.		oz.	11.35	—
Ethylorthotoluidine, bbls		lb.	.30	—
Ethylvanillin, ens., 5 lbs. or more		lb.	6.75	6.90
	smaller lots	lb.	6.80	6.90
Eucalyptol, USP, ens., dms		lb.	1.95	3.13
Eucalyptus leaves, bls		lb.	.12	—
Eugenol, prime, USP		lb.	1.85	3.25
Euphorbia, pil., herb, bls		lb.	.15	.17

BY TANKER
TO THE EAST—

CELANESE* FORMALDEHYDE

Supplementing nation wide deliveries of Celanese Chemicals by rail from the Chemcel plant at Bishop, Texas, Celanese is now operating the first tanker facilities for the shipment of formaldehyde. This new service provides eastern industries with additional quantities of both inhibited and uninhibited grades of this important basic commodity.

From new Celanese storage facilities at Corpus Christi, Texas, a tanker is now regularly carrying formaldehyde eastward to New Haven, Connecticut in specially insulated stainless steel compartments. From the New Haven terminal, with a storage capacity of more than 7,000,000 pounds, Celanese offers prompt deliveries of formaldehyde to Eastern consumers.

During every step of the way—from Chemcel to your plant door—the quality of Celanese* Formaldehyde is maintained at USP standards. A well equipped control laboratory at the New Haven terminal assures deliveries of the highest quality product.

CELANESE CORPORATION OF AMERICA
Chemical Division
180 Madison Avenue, New York 16

Celanese* Chemicals

*Reg. U. S. Pat. Off.

ALCOHOLS · ALDEHYDES · GLYCOLS · KETONES · ACIDS · SOLVENTS · PLASTICIZERS

F

Feldspar, enamel, 100 mesh, bgs., works..ton.17.00 -26.50
bulk, c.l., works ..... ton.14.00 -17.50
Glass, 20 mesh bgs., tons, works. ton.12.75 -16.25
bulk, c.l., works ..... ton. 9.75 -12.25
Pottery, bgs., 2 ton lots, works. ton.20.00 -22.00
bulk, c.l., works ..... ton.17.00 -19.00
Fennel seed, Argentine, bgs ..... lb. .10½- .11
Indian, bgs ..... lb. .13 - .13½
Fenugreek, domestic, bgs. ..... lb. No stocks.
Indian, bgs. ..... lb. .09½- .10
futures, bgs ..... lb. .10 - .10½
Moroccan, bgs ..... lb.
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .13 - —
water-white, cs., works..... lb. .14 - —
Fir balsam, Canada, cns ..... gal.32.00 -33.00
Oregon, bbls ..... gal. 2.25 - 2.30
Fishberries, bgs. ..... lb. .24 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., No. Carolina area ..ton.135.00 - —
65% protein, bgs., Balto. area. ton.140.00 - —
Fishscrap, dried, 60% protein, bulk, No. Carolina area ..ton.125.00 -128.00
Flaxseed, black, bgs ..... lb. .20 - .25
blonde, bgs. ..... lb. .23 - .26
Husks, bgs ..... lb. .65 - .70
Fluorspar, acid grade, bgs., c.l., mines ..ton.47.50 - —
l.c.l., mines ..... ton.49.50 - —
bulk, contract, c.l., mines ton.42.00 - —
noncontract, c.l., mines ton.45.00 - —
l.c.l., mines ..... ton.47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF., bulk, c.l., mines net ton.39.00 -41.00
washed gravel, 70% or more, CaF., bulk, c.l., mines ton.35.00 -37.00
65%, bulk, c.l., mines ..... ton.34.00 -36.00
60%, bulk, c.l., mines ..... ton.33.00 -35.00
less than 60%, bulk, c.l., mines. ton.32.00 -34.00
Formaldehyde, inhibited, bbls., c.l., works ..... lb. .0645- —
l.c.l., works ..... lb. .0695- —
dms., extra, c.l., works ..... lb. .0545- —
l.c.l., works ..... lb. .0595- —
tanks, works ..... lb. .0370- —
tanktrucks, dlvd., N.Y.C..... lb. .0295- —
uninhibited, tanks, works ... lb. .0350- —
Fringetree bark, bls. ..... lb. .45 - .47
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton.30.00 - —
Tex., mines ..... ton.27.00 - —
spent, bulk, Bayonne ..... ton. 2.00 - 4.00
imp., bgs., c.l. ..... ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .14 - —
tanks, works ..... lb. .09½- —
Fusel oil, refined, dms., c.l. ..... lb. .29½- —
l.c.l. ..... lb. .30½- —
tanks ..... lb. .23 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l ..... lb. .41½- —
No. 2, bbls., l.c.l ..... lb. .40½- —
No. 3, bbls., l.c.l ..... lb. .39½- —
liquid, No. 0, bbls., l.c.l..... lb. .22 - —
No. 1, bbls., l.c.l ..... lb. .20½- —
No. 2, bbls., l.c.l ..... lb. .19½- —
No. 3, bbls., l.c.l ..... lb. .17 - —
solid, No. 1, bxs., l.c.l ..... lb. .28 - —

G

G salt, bbls ..... lb. .53 - —
Galangal root, bls. ..... lb. .14 - .15
Gambier, plantation, bgs., ex dock lb. .21 - .23
Extract, bbls ..... No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.33 - —
Gasoline, at refinery, ex tax: Arkansas, 73-75 octane, tanks, gal. .107⅝- —
Bayonne, 74 octane, tanks gal. .118 - —
Gulf coast, 73-75 octane, tanks, gal. .103 - .11
Group 3, 73-75 octane, tanks gal. .103 - .11
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks gal. .1175- .12
natural, 26-70 octane, group 3, tanks gal. .095 - —
Gelatin, silver label, cns., dlvd ..lb. 1.25 - —
export, cs ..... lb. 1.35 - —
Gelatin price 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo.
Gelsemium root, bls. ..... lb. .35 - .40
Gentian root, bls ..... lb. .15 - .16
grd., bbls., bxs ..... lb. .18 - .19
powd., bbls., bxs ..... lb. .19 - .20
Geraniol, 92-96%, cns., dms ..... lb. 3.10 - —
prime ..... lb. 2.50 - —
Geranyl acetate, cns ..... lb. 3.15 - 3.30
Ginger, oleoresin, bots ..... lb. 4.25 - 4.75
Root, African, bls ..... lb. .14½- .15
Cochin, bleached, bgs..... lb. No stocks.
unbleached, bgs. ..... lb. .20 - .20½
Jamaica, No. 1, bgs ..... lb. .28 - .28½
No. 2, bgs. ..... lb. .27 - .27½
No. 3, futures ..... lb. .25 - .25½
Rhattoon, bgs ..... lb. .22 Nom.
Ginseng root, cs ..... lb.14.00 -16.50
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l. bgs., works ..... 100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .22 - —
50-90, bgs., c.l., same basis lb. .24 - —
95-145, bgs., c.l., same basis.lb. .26 - —
145-180, bgs., c.l., same basis.lb. .27 - —
Bone glue, l.c.l., prices, 1c. higher than c.l.
ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd. lb. .22 - —
l.c.l., same basis ..... lb. .23 - —
pulverized, 60 jellygrams, bgs., c.l. (50,000 lbs.), same basis. lb. .24½- —
l.c.l., same basis ..... lb. .25½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd ..lb. .25 - .26
122-149, bgs., c.l., dlvd ..... lb. .26 - .29
150-177, bgs., c.l., dlvd ..... lb. .27 - .30
178-206, bgs., c.l., dlvd ..... lb. .28 - .31
207-236, bgs., c.l., dlvd ..... lb. .29 - .32
237-266, bgs., c.l., dlvd ..... lb. .30 - .33
267-298, bgs., c.l., dlvd ..... lb. .31 - .34
299-330, bgs., c.l., dlvd ..... lb. .32 - .35
331-362, bgs., c.l., dlvd ..... lb. .33 - .36
363-394, bgs., c.l., dlvd ..... lb. .34 - .37
395-427, bgs., c.l., dlvd ..... lb. .35 - .38
428-460, bgs., c.l., dlvd ..... lb. .36 - .39
461-494, bgs., c.l., dlvd ..... lb. .37 - .40
495-529, bgs., c.l., dlvd ..... lb. .38 - .41
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. more than bgs.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd ..lb. .28 - .30
soaplye, 80% tanks, dlvd. ... lb. .27 - —
dynamite, dms., c.l., dlvd ..... lb. .39½- .40½
l.c.l., dlvd. ..... lb. .40 - .40½
tanks, dlvd. ..... lb. .39½- .40

Glycerin, high gravity, dms., c.l. ..lb. .39¼- .40¼
l.c.l. ..... lb. .40 - .40¾
tanks ..... lb. .39¼- .40
refined, BP, 98%, dms., c.l. ..... lb. .39¾- .41½
tanks ..... lb. .39½- .41¼
USP, 95%, dms., c.l ..... lb. .39½- .41¾
l.c.l. ..... lb. .40 - .41¾
tanks ..... lb. .39¼- .40
yellow, distilled, dms., c.l. ..... lb. .39⅜- .40⅛
l.c.l. ..... lb. .39⅛- .40⅛
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms ..... lb. .32 - —
Stearate, dms. ..... lb. .26 - —
Glyoxal, 30%, dms., c.l., works ..lb. .17½- —
l.c.l., works ..... lb. .18 - —
tanks, works ..... lb. .17 - —
Gold chloride, acid-brown, bots...oz.22.00 -23.25
acid-yellow, bots ..... oz.20.00 -20.25
Gold of pleasure seed, bgs ..... lb. .40 - .41
Golden seal, root, bls ..... lb. 4.25 - 4.50
powd., bxs ..... lb. 5.50 - 5.75
Gold-sodium chloride, photo, bots. oz.13.50 -14.00
USP IX, bots ..... oz.14.50 -15.00
Grains of paradise, bgs ..... lb. .33 - .34
Graphite, imported, amorph., powd., bgs., dlvd ..lb. .04 - .05
crystalline, 85-90%, powd., bgs., ex whse..lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse..lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse..lb. .21 - .22
No. 2 whse ..... lb. .23 - —
Grease, house, loose ..... lb. .08¾- —
White, choice, loose ..... lb. .13½- —
Wool (see Degras and Lanolin).
Yellow, loose ..... lb. .09 - —

Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works..... lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .34 - —
6-10%, bbls., same basis ..lb. .37 — —
11-15%, bbls., same basis ..lb. .34 - —
16-20%, bbls., same basis ..lb. .38½- —
21-25%, bbls., same basis ..lb. .39½- —
26-30%, bbls., same basis ..lb. .39¾- —
31-35%, bbls., same basis ..lb. .39½- —
36-40%, bbls., same basis ..lb. .42½- —
41-45%, bbls., same basis ..lb. .44 - —
46-50%, bbls., same basis ..lb. .45¾- —
50% and over, bbls., same basis..lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12 - —
6-10%, bbls., same basis ..lb. .12¾- —
11-13%, bbls., same basis ..lb. .13¼- —
14-16%, bbls., same basis ..lb. .14 - —
17-19%, bbls., same basis ..lb. .14¼- —

Feldspar—Green, Chrome, Reduced Color

Green, chrome, reduced color, 20-21%, bbls., same basis..lb. .14½- —
22-24%, bbls., same basis..lb. .14¾- —
24-25%, bbls., same basis..lb. .15 - —
26-27%, bbls., same basis..lb. .15½- —
28-30%, bbls., same basis..lb. .16 - —
30-31%, bbls., same basis..lb. .17 - —
32-33%, bbls., same basis..lb. .18½- —
34-35%, bbls., same basis..lb. .19¼- —
36-40%, bbls., same basis..lb. .22 - —
41-45%, bbls., same basis..lb. .24½- —
46-50%, bbls., same basis..lb. .25¾- —
51-55%, bbls., same basis..lb. .25½- —
56-60%, bbls., same basis..lb. .26 - —
61-65%, bbls., same basis..lb. .27 - —
66-70%, bbls., same basis..lb. .28¼- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

SYNTHENOL MEETS THE TEST

● It was a matter of the greatest good fortune that the development of Synthenol came in time to serve the protective coatings industries during the war-time shortage of chinawood oil. Naturally, it was received enthusiastically.

Now, however, a considerable period has passed when all natural oils, including chinawood, have been in adequate supply, and Synthenol has undergone the determining test of an open and competitive market.

It is significant that during this period there has been consistent activity in Synthenol sales. It acts exactly like the natural oils in its response to market conditions. It has, like any oil, a group of users for whose purposes it is better than any other, and also it has users whose choice is influenced by the market.

If a water-proof vehicle with the *extra* advantages of increase in adhesiveness, elasticity and non-yellowing whiteness is desirable for one or more of your products...your technicians should be investigating Spencer Kellogg's Synthenol.

★★★★★★

SPENCER KELLOGG'S
DEHYDRATED
CASTOR OIL

★★★★★★

KELLOGG'S THE TEST TELLS 1894

SPENCER KELLOGG AND SONS, INC.
BUFFALO 5, N. Y.

The First Name in Vegetable Oils

Green, Chromium Oxide—Magnesium Carbonate

Green, chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb. 4.40 - 5.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs lb. 2.60 - —
Verdigris (see V).
Grindella robusta herb, bls lb. .25 - .30
Guaiac resin, cs lb. .48 - .49
Wood, bls lb. .35 - .36
Guaiacol, cryst., NF, tins lb. No prices
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, NF, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs lb. .12¾- .14
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs lb. .38 - .40
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .23 - .26
No. 2, bgs. lb. .20 - .22
No. 3, bgs. lb. .16 - .18
Manila, loba, B, bgs. lb. .26 - .28
C, bgs. lb. .24 - .26
CBB, bgs. lb. .19 - .21
CNE, bgs. lb. .13½- .15
DBB, bgs. lb. .18 - .20
DK, bgs. lb. .13½- .15
dust, bgs. lb. .07½- .09
soft, MA, bgs. lb. .13½- .15
WS, bgs. lb. .20 - .21
Philippine, pale, chips, bgs lb. .18½- .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .35 - .38
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs. lb. .23 - .24
dust, bgs. lb. .09¾- .10½
E, bgs. lb. .14 - .15
East India, batu, bold, bgs lb. .09¾- .11
nubs & chips, bgs. lb. .07½- .09
black, bold, bgs. lb. .12½- .13½
unscraped, bgs. lb. .09½- .10½
nubs & chips, bgs. lb. .09½- .10½
pale, chips, bgs. lb. .12 - .14
nubs, bgs. lb. .26 - .28
Singapore, No. 1, bgs lb. .28 - .30
No. 2, bgs. lb. .21 - .23
No. 3, bgs. lb. .13 - .14
dust, bgs. lb. .09¾- .10½
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17 - .17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. .17 - .17¾
Euphorbium, cs lb. .50 - .55
Galbanum, cs lb. .98 - 1.00
Gamboge, pipe, cs lb. 1.20 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1 lb. .48 - .49
No. 2 lb. .40 - .44
No. 3 lb. .34 - .35
No. 4 lb. .31 - .32
No. 5 lb. .29 - .30
No. 6 lb. .27 - .28
Kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .35 - .37
Gum, mastic, cs lb. 2.25 - —
Myrrh, cs lb. .35 - .38
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb. .22 - .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. .90 - .95
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 3.60 - 3.70
No. 2, cs lb. 3.20 - 3.25
No. 3, cs lb. 2.25 - 2.50
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt. equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Southard, Okla., frt. equald, ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., c.l., Acme Texas, frt. equald ton. 8.00 - —
Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N.H., frt. equald, ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .55 - .57
Heliotropin, cryst., cns lb. 3.10 - 3.45
Hellebore root, white, powd., bbls lb. .40 - .45
Helonias root, bls lb. 1.75 - 1.80
Hematine extract, cryst., No. 0, bbls., l.c.l. lb. .45½- —
No. 1, bbls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
No. 4, bbls., l.c.l. lb. .36½- —
No. 5, bbls., l.c.l. lb. .34½- —
paste, No. 1, bbls., l.c.l. lb. .19 - —
No. 2, bbls., l.c.l. lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .45 - .75
Henna leaves, bls lb. .21 - .23
powd., bbls., bgs lb. .25 - .27
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½- .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .27½- —
smaller lots, same basis lb. .28½- —
USP, dms., 500 lbs. or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexane, industrial, group 3, tanks, gal. .13½- .14½
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexylresorcinol, 100 lbs. up, frt. alld. lb.19.00 - —
works lb.19.00 -27.75
smaller lots, frt. alld lb.20.00 -21.50
works lb.20.00 -33.50
Histidine hydrochloride—I, fib. dms., works, 50 kilos kilo.120.00 - —
1-5 kilos kilo.130.00 - —
Homatropine, hydrobromide, bots. oz.15.00 -25.00
Hydrochloride, bots oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.00 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .12 - .15
Hydrangea root, bls lb. .14 - .17
Hydrastine, bots oz.53.50 -53.80
Sulphate, bots oz.53.50 -53.80
Hydrastine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, bbls., dms lb. .90 - .94
Hydroxycitronellal, cns lb. 6.50 - 7.50
Hyoscine hydrobromide, bots oz.34.00 -38.00
Hyoscyamine, bots oz.18.00 -20.00
Hydrobromide, bots oz.18.00 -19.50
Sulphate, bots oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l. lb. .52½- —
No. 2, bbls., l.c.l. lb. .44½- —
liquid, No. 1, bbls., l.c.l. lb. .28½- —
No. 2, bbls., l.c.l. lb. .23½- —
solid, No. 1, bxs., l.c.l. lb. .41 - —
Hyssop herb, bgs lb. .45 - .50
Leaves, bgs lb. .55 - .60

I

Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.80
synth., paste, bots lb. .16½- .19
Iceland moss, bgs lb. .40 - .50
Ichthammol, NF, bots lb. 2.45 - —
powd., bbls lb. .74½- .85
Indol, CP, bots lb.18.00 -23.00
Inositol, tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse. Staten Island lb. 1.729 - —
resubl., bots., jars lb. 2.55 - 2.65
Iodoform, dms., kgs. lb. 4.30 - 4.74
Ionone, alpha, cns lb. 5.15 - 6.00
beta, cns lb. 8.60 -10.00
Methyl (see M).
IPC, bots., 1-5 lbs lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs. lb. 4.50 - 4.60
powd., bgs. lb. 4.80 - 4.90
Irish moss, bleached, prime, bls lb. .18 - .19
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys lb. .16 - —
djns. lb. .17 - —
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., bbls., works 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP X, lump, bbls lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld, or equald lb. .06 - .06½
Citrate, gran., dms lb. .77 - .79
Glycerophosphate, N.F., powd lb. 4.35 - —
Hypophosphite, dms lb. 2.80 - —
Iodide, bots lb. 3.48 - 3.63
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- .21¾
Nitrate, red, tech., dms lb. .03½- .04
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .24 - —
Stearate, dms., c.l. lb. .40 - —
ton lots lb. .41 - —
less ton lots lb. .42 - —
Sulphate (ferric), anhyd., bgs., c.l., works ton.52.50 - —
l.c.l., works ton.57.50 - —
partially hydrated, bgs., c.l., works ton.28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, brown, green, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms. lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isobornyl acetate, cns lb. .97 - 1.10
Isobutyl acetate, cns lb. .97 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —
Isobutyraldehyde, dms., works lb. .33 - .36
Isoeugenol, extra, cns lb. 3.20 - 4.00
cbys., extra lb. 3.10 - 3.35
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies lb. .13½- —
l.c.l., same basis lb. .14 - —
tanks, same basis lb. .12 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works lb. .37 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls. lb. .45 - .50
powd., bbls., bxs lb. .50 - .60
Resin, powd., bxs lb. 7.15 - 7.25
Juniper berries, bgs. lb. .09 - .15
Tar, USP, dms lb. .40 - .65

K

Kamala, powd., cns lb. .45 - .52
Kaolin (see China clay).
Kava kava root, bls. lb. .28 - .31
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks gal. .09625- —
Bayonne, 41-43 s.g., w.w., tanks gal. .103 - —
California, 40-43, s.g., w.w., tanks gal. .1190- .1290
Gulf ports, 41-43, s.g., w.w., tanks gal. .0925- .095
Okla.-Tex., 41-43, s.g., w.w., tanks gal. .0950- .0975
Penn., 45, s.g., w.w., tanks gal. .1125- .125
47, s.g., w.w., tanks gal. .12 - .13
Kola nuts, bgs lb. .10 - .12
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Ladyslipper root, bls. lb. 1.60 - 1.65
Lanolin, anhyd., cosmetic, dms., works lb. .22 - .24
pharmaceutical, USP, dms., works lb. .20 - .22
hydrous lb. .18 - .20
Lard, cash, trcs., Chicago lb. .19 - .19½
Larkspur seed bgs lb. .35 - .40
Laurel berries, bls lb. .25 - .26
Leaves, Portuguese, bls. lb. .07¼- .08
Greek, bls. lb. .08 - .08½
Turkish, bls. lb. .13¼- .13¾
Lavender flowers, medium, bls. lb. .65 - .66
ordinary, bls lb. .20 - .21
select, bls. lb. .70 - .75
Lead acetate, white, crystals, bbls., lb. .27 - —
gran., bbls. lb. .27¾- —
powd., bbls. lb. .27¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l. lb. .31½- —
l.c.l. lb. .32½- —
1-lb. bgs., c.l. lb. .39½- —
l.c.l. lb. .40 - —

Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.

Blue basic sulphate, bbls., c.l., ship't point, frt. alld lb. .20¼- —
l.c.l., works lb. .21¼- —
Carbonate (see Lead, white).
Chloride, fib. dms lb. .49 - —
Iodide, NF V, jars lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld lb. .39 - —
Metal, pigs, prime, N. Y. lb. .21½- —
E. St. Louis lb. .2130- .2135
Metallic paste, dms., 10.000-40,000 lbs., works lb. .27½- —
2.000-10.000 lbs., same basis lb. .28½- —
1 to 2.000 lbs., same basis lb. .30 - —
Naphthenate, liquid, 16% Pb, dms., frt. alld lb. .16¾- .17¼
24% Pb, dms., frt. alld lb. .23½- .24
30% Pb, dms., frt. alld lb. .28½- .29
Nitrate, bbls., c.l. lb. .23 - —
l.c.l. lb. .23½- —
Oleate, bbls lb. .33 - —
Peroxide, powd., tech., bbls lb. .41 - .43
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld lb. .24¼- —
l.c.l., same basis lb. .25¼- —
97% Pb_3O_4 bbls., c.l., same basis. lb. .24½- —
l.c.l., same basis lb. .25½- —
98%, Pb_3O_4, bbls., c.l., same basis lb. .24¾- —
l.c.l., same basis lb. .25¾- —
Resinate, precip., dms., frt. alld. lb. .27¼- —
Silicate, bgs., l.c.l., shipt. point, frt. alld lb. .2270- .2330
Stearate, bbls., c.l. lb. .46 - —
ton lots lb. .47 - —
less ton lots lb. .48 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, liquid, 16% Pb, dms lb. .14¾- .15¼
solid, 30% Pb, dms lb. .23½- .24
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .2210- —
l.c.l., same basis lb. .2310- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .1925- .2535
l.c.l., same basis lb. .1975- .2635
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .20¼- —
l.c.l., same basis lb. .21¼- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works lb. .16¾- —
l.c.l., same basis lb. .19¼- —
unbleached, c.l., same basis lb. .15¾- —
l.c.l., same basis lb. .18¼- —
Lemon peel, bls lb. .25 - .30
Licorice extract, mass, cns lb. .25 - .30
powd., bbls. lb. .40 - .42
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —
Lime, agricultural, bulk, works ton. 9.00 - 9.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton. 9.00 - —
Annville, Pa ton. 9.00 - —
Bellefonte, Pa ton. 9.00 - —
Berkeley, W. Va ton. 9.00 - —
Buffalo, N. Y ton. 9.00 - —
Carey, Ohio ton. 9.00 - —
Cedar Hallow, Pa ton. 7.00 - —
Crab Orchard, Tenn ton. 9.50 - —
Eagle Mountain, Va ton. 8.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 9.00 - —
Hannibal, Mo ton. 8.50 - —
Keystone, Ala ton. 8.50 - —
Knoxville, Tenn ton. 8.50 - —
Limedale, Ark ton. 8.50 - —
Longview, Ala ton. 9.00 - —
Manistique, Mich ton. 8.00 - —
Marblehead, Ohio ton. 8.50 - —
Martinsburg, W. Va ton. 8.50 - —
Menominee, Mich ton. 9.00 - —
Mitchell, Ind ton. 8.00 - —
Newala, Ala ton. 7.50 - —
Ripplemead, Va. ton. 8.50 - —
Riverton, Va ton. 8.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn ton. 9.50 - —
Sherwood, Wis. ton. 8.50 - —
Springfield, Mo ton. 8.00 - —
Woodville, Ohio ton. 9.50 - —
York, Pa. ton. 9.00 - —
Hydrated, paper bgs., Adams, Mass. ton.11.50 - —
Annville, Pa. ton.11.50 - —
Bellefonte, Pa. ton.11.50 - —
Berkeley, W. Va. ton.10.00 - —
Buffalo, N. Y. ton.11.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton.11.50 - —
Crab Orchard, Tenn. ton.11.65 - —
Eagle Mountain, Va. ton.10.00 - —
Engle, W. Va. ton.11.50 - —
Farnams, Mass. ton.11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton.12.25 - —
Knoxville Tenn. ton.11.50 - —
LeRoy, Minn. ton.10.50 - —
Limedale, Ark. ton.10.00 - —
Longview, Ala ton.12.25 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Newala, Ala. ton.12.25 - —
Petoskey, Mich. ton.10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton. 9.00 - —
Ripplemead, Va. ton.10.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton.12.14 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa. ton.11.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa. ton.11.50 - —
Bellefonte, Pa ton.11.50 - —
Carey, Ohio ton.11.00 - —
Engle, W. Va ton.11.50 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa. ton.11.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bulk, works ton. 1.40 - —
Linalool, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots lb. 4.35 - 7.20
ex lignaloe wood, bots lb. 8.25 - 8.40
ex petitgrain, bots lb. 5.10 - 6.35
Linden flowers with leaves, bls lb. .26 - .27
without leaves, bls. lb. .24 - .26
Linseed meal, 34% bulk, Midwest mills ton.76.00 - —
Litharge com'l, powd., bbls., c.l ship't point, frt. alld lb. .23¼- —
l.c.l., same basis lb. .24¼- —
Lithium bromide, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.10 - 1.15
Chloride, dms lb. 1.15 - 1.65
Citrate, bbls., dms., kgs lb. 1.30 - 1.45
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., ship't point lb. .06⅝- —
l.c.l., same basis lb. .06⅝- .06¾
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. lb. .85 - .90
Lobelia herb, bls. lb. .70 - .75
leaves N.F. lb. .95 - —
Lobeline sulphate, bots., works oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l., lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼
Lovage root, imp., bls. lb. 1.20 - 1.25
Lupulin, tins lb. 1.95 - 2.00
Lycoyodium, cs. lb. 1.90 - 2.50

M

Mace, No. 1, Siauw, cs lb. 1.05 - 1.10
East Indian, bgs., futures lb. 1.05 - 1.10
Papua, bgs., futures lb. 1.15 - 1.20
West Indian, bgs. lb. 1.10 - 1.15
broken lb. 1.00 - 1.15
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., bbls., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, dms lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —

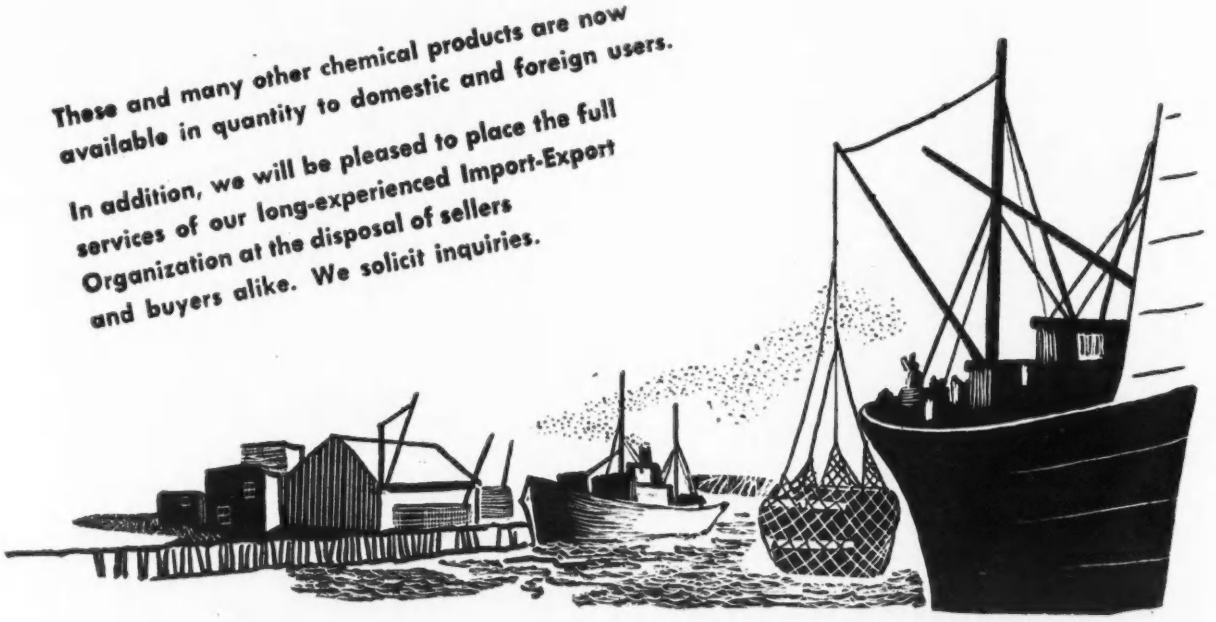
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

FOR PROMPT SHIPMENT!

- EPSOM SALT
- SODIUM SULPHIDE
- CAUSTIC POTASH, Solid
- CARBON BISULPHIDE
- TRICRESYL PHOSPHATE
- ACETONE
- LACTIC ACID
- DIBUTYL PHTHALATE

These and many other chemical products are now available in quantity to domestic and foreign users.

In addition, we will be pleased to place the full services of our long-experienced Import-Export Organization at the disposal of sellers and buyers alike. We solicit inquiries.



ENCO

CHEMICAL CORPORATION

formerly NEUBERG CHEMICAL CORPORATION

ESTABLISHED 1910 441 LEXINGTON AVENUE, NEW YORK 17, N. Y. TELEPHONE MU 6 1990

CABLE: Encofan New York or Neuberg New York Encofan, Tokio

Magnesium Chloride—Mica

Magnesium chloride, anhyd., bbls., works lb. .12¾ - —
Chloride, anhyd., bbls., works lb. .12¾ - —
flake, bbls., c.l., works ton.40.00 - —
l.c.l., works ton.44.00 - 46.00
Fluoride, bbls lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 98.8% ingots, cs., works lb. .20½ - —
sticks, cs lb. .34 - .38
Oleate, precip., bbls lb. .40¼ - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .09½
Stearate, ctns., 2,000 lbs. to c.l. lb. .43 - —
smaller lots lb. .44 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. lots lb. .37 - —
smaller lots lb. .42 - —

Magnesite, chemical grade, bgs., c.l., mines, Calif. ton.60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash. ton.27.00 - —
Maleic anhydride, dms., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Malva flowers, black, bls lb. 1.50 - 1.75
Blue, bls. lb. 1.00 - 1.25
Leaves, bls lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls. lb. .48 - .60
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms., works lb. .24 - —

Manganese dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton.74.00 - —
smaller lots, works ton.77.00 -82.00
burlap bgs., c.l., works ton.71.75 - —
l.c.l., works ton.74.75 -79.79
paper bgs., c.l., works ton.70.00 - —
l.c.l., works ton.73.00 - —
85-90%, bbls., c.l., works ton.74.00 - —
smaller lots, works ton.77.00 -82.00
Glycerophosphate, fib. dms lb. 4.25 - —
Hydrate, bbls., dlvd lb. .26 - —
Hypophosphite, NF, dms lb. 2.00 - —
Iodide, jars lb. 5.55 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼ - —
solid, precip., 8.2% Mn, bbls., lb. .41½ - —
Metal, cs, dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld lb. .22¾ - .23¼
Oleate, fused, bbls lb. .44¾ - —
Resinate, fused, 3½% Mn, dms. lb. .20 - —
precip., dms. lb. .22½ - —
Sulphate, fertilizer grade 65%, bgs., c.l., dlvd. S. E. ton.60.00 - —
l.c.l., dlvd. S. E. ton.67.00 - —
feed grade, 80%, bgs lb. .05¼ - .07
75%, bgs. c.l., dlvd. S. E. ton.68.50 - —
l.c.l., same basis ton.75.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.72.00 Nom.

Manna, flake, large, cs. lb. 1.40 - 1.50
small, cs. lb. 1.00 - 1.10
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Argentine, bls lb. .14 Nom.
Chilean, bls. lb. .18 - .18½
French, bls lb. .34 - .35
Matico leaves, bls lb. .25 - .28
Menadione, USP, bots., works gram .10 - —
Menthol, natural, USP, Brazilian lb. 9.05 - 9.25
synthetic, tech., cns lb. 6.00 - 6.40
USP, laevo, cns lb. 8.90 - 9.95
Menthyl salicylate, tins lb. 4.25 - 4.35
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, cryst., powd lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.32 - —
Yellow, NF, fib. dms lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½ - —
tanks, dlvd lb. .11½ - —
Metachloranilin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .79 - .80
l.c.l. lb. .80 - —
80-82%, dms., works lb. .35 - —
70-75%, dms., works lb. .30 - —
Metanitroparatoluidin, bbls lb. 1.28 - 1.33
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .77 - —
Methanol, natural, dms., c.l., frt. alld gal. .74 - .80
l.c.l., frt. alld gal. .77 - .85
tanks, frt. alld gal. .66 - .70
Prices on natural methanol W. of Miss 3c. higher.

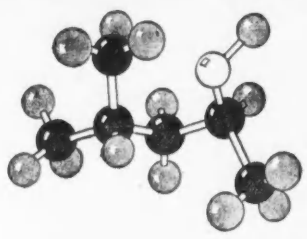
Methanol synthetic, eastern production, zone 1, dms., c.l., frt. alld gal. .38½ - —
l.c.l., frt. alld gal. .42 - .44½
tanks, frt. alld gal. .28 - —
zone 2, dms., l.c.l., frt. alld. gal. .45 - —
l.c.l., ex-whse gal. .47½ - —
tanks, frt. alld gal. .33 - —
Synthetic methanol Zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Texas production, Midwest and Gulf states, dms., c.l. works, frt. alld gal. .37½ - —
tanks, frt. alld gal. .27 - —
West of Rockies, dms., c.l., frt. alld gal. .45 - —
tanks, frt. alld gal. .33 - —
Methionine-dl, fib. dms., works, 1,000-lb. lots lb. 8.25 - —
50 to 999-lb. lots, works lb. 8.40 - —
1 to 49-lb. lots, works lb.10.00 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17½ - —
l.c.l., same basis lb. .18 - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¾ - —
l.c.l., same basis lb. .18¼ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb. .08 - —
l.c.l., same basis lb. .08½ - —
Acetoacetate, dms., c.l., works lb. .49½ - —
l.c.l., same basis lb. .50 - —
tanks, works lb. .48 - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .50 - .60
l.c.l., same basis gal. .57 - .67
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 - .60
synthetic, dms., c.l., works, frt. alld, E gal. .61½ - —
frt. alld. W gal. .64 - —
l.c.l., works, frt. alld. E gal. .65 - —
frt. alld. W gal. .68½ - —
tanks, works, frt. alld. E gal. .52 - —
frt. alld. W gal. .55½ - —
Methyl acetone, synth., East. territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots lb. 2.20 - 3.00
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns. lb. .50 - .52
cyls. lb. .46 - .59
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit, works lb. .10½ - —
refrigerator mfrs., cyls., dlvd lb. .34 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns lb. 1.65 - 3.50
Formate, dms. lb. .39 - —
Heptin carbonate, bots. lb.36.00 -58.00
Iodide, bots., cbys lb. 4.33 - 4.52
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works lb. .48 - .52
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, bots., cntrs. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Salicylate, dms., 500 lbs lb. .40 - —
25-50 lbs. lb. .45 - —
Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½ - —
Methylamyl ketone, dms., works lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.66 - —
smaller lots, kgs., same basis lb. 2.77 - 2.83
Chloride, indust., dms., c.l., dlvd. E lb. .12½ - —
l.c.l., dlvd. E lb. .13½ - —
tanks, dlvd. E lb. .11½ - —
Methyleneanilin, dms., ton lots, frt. alld. lb. .36 - —
smaller lots, same basis lb. .37 - —
Methylethyl ketone, dms., dlvd lb. .11½ - —
l.c.l., dlvd lb. .12 - —
tanks, dlvd lb. .10 - —
Methylhexyl ketone, tech., dms., works lb. .60 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .16½ - —
l.c.l., dlvd lb. .17½ - —
tanks, dlvd lb. .12½ - —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .17½ - —
l.c.l., works, dlvd lb. .18½ - —
tanks, works, dlvd lb. .16 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅜ - —
roofing, 20 to 80 mesh, works lb. .03⅜ - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½ - —
l.c.l., ex whse. or frt. alld. E. lb. .06¼ - —
extra fine, bgs., c.l., works, frt. alld. E lb. .05½ - —
l.c.l., ex whse. or frt. alld. E lb. .06¼ - —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07½ - .07¾
rubber, bgs., c.l., works, frt. alld. E lb. .06¾ - —
l.c.l., ex whse. or frt. alld. E lb. .07¼ - .07½
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07½ - .07¾

From SHELL CHEMICAL

METHYL ISOBUTYL CARBINOL
(Methyl Amyl Alcohol)



A colorless stable alcohol with a pleasant odor. Available in tank cars and drums

SPECIFICATIONS	
Purity	Min. 97.5% by wt.
Spec. Grav. 20°/20° C	0.807-0.809
Color	Max. 15 plat. cobalt (Hazen) standard
Water	Miscible without turbidity with 19 volumes of 60° Bé gasoline at 20° C
Acidity (other than carbon dioxide)	Max. .005% by wt. calculated as acetic acid
Distillation Range	Below 130° C: None Above 133° C: None

A request on your business letterhead will bring further technical information on Methyl Isobutyl Carbinol.

Among the many other Shell Chemical products are: Acetone, Methyl Isobutyl Ketone, Methyl Ethyl Ketone, Cyclohexane and Acrolein.

Here is a newly-developed solvent that can help *improve* surface coating formulations.

For example, high-purity MIBC is already contributing to better surface coatings manufactured by leading producers of industrial finishes:

Manufacturers of *nitrocellulose lacquers* find that MIBC improves diluent tolerance, viscosity characteristics, blush resistance and film flow.

In the formulation of *synthetic baking finishes* of the phenolic, alkyd or urea-melamine type, incorporation of MIBC yields solutions of low viscosity — promotes flow-out and prevents bubbling during baking operations.

OTHER IMPORTANT USERS OF **MIBC** INCLUDE:

THE MINING INDUSTRY: In conjunction with other frothing agents, MIBC improves metallurgical yields and renders recovery from low-grade ores by flotation processes more economical.

THE CHEMICAL INDUSTRIES: Undergoing the reactions typical of a secondary alcohol, MIBC is a raw material for the manufacture of resins, plasticizers, detergents, lubricating oil additives and xanthates as collectors in ore flotation.

MANUFACTURERS OF BRAKE FLUIDS AND CLEANING COMPOUNDS: Its solvent power for a wide variety of materials has established MIBC as a desirable medium-boiling constituent of solvent formulations.

SHELL CHEMICAL CORPORATION

Eastern Division
500 Fifth Avenue, New York 18 • 100 Bush Street, San Francisco 6
Western Division

Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

Mica, wet-ground, white, extra fine, bgs., c.l., works, frt. alld. E. lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾ - —
Mica, wet-grd., W. of Miss. R., ½c. higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .14 - .17¼
spray, bbls., c.l. lb. .16 - .18¼
Whole, roller, bbls., c.l. lb. .36½ - .42
spray, bbls., c.l. lb. .34 - .46¼
Sugar, edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾ - —
200-1,800-lb. lots lb. .25¼ - —
USP, bbls., works, 3,000-lb. lots. lb. .26 - —
2,000-lb. lots lb. .26¾ - —
200-1,800-lb. lots lb. .27¼ - —
Molasses, blackstrap, tanks gal. .20 - .21
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald lb. .06½ - .08
l.c.l., works lb. .07 - .09
smaller containers, works lb. .09 - .12
tanks, works, frt. equald lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E lb. .26½ - —
l.c.l., same basis lb. .27½ - —
smaller containers, same basis lb. .30½ - —
tanks, same basis lb. .25 - —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
Monomethylamine, anhydrous, cyl., works, basis 100% lb. .34½ - .44½
25%-40%, dms., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33½ - —
tanks, same basis lb. .30 - —
Monononylnaphthalene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks lb. .13 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.35 - 12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, cns. oz. 9.90 - —
Sulphate, cns. oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½ - —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
smaller containers, works lb. .75 - —
Mountain ash berries, bgs lb. .75 - .76
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz. 35.00 - 55.00
synthetic, ambrette, cns., 5-lb lb. 5.65 - 5.75
Ketone, cns., 100 lbs. or more lb. 4.60 - 4.95
25 lbs. lb. 4.70 - 5.05
5 lbs. lb. 4.60 - 5.45
Xylol, cns. lb. 1.60 - 1.80
25 lbs. lb. 1.70 - 1.90
5 lbs. lb. 1.75 - 2.00
Musk root, bls lb. No prices.
Mustard seed, Calif., brown lb. .22 - .23
Danish, yellow, bgs. lb. .15½ - .16
Dutch, yellow, bgs. lb. .16 - .16¼
English, yellow, bgs lb. .15 - .15½
Montana, brown, bgs., source lb. .06½ - .07
Oriental, bgs., source lb. .05¾ - .06
yellow, bgs., source lb. .11¾ - .12
Washington, yellow, bgs lb. .17 Nom.
Myrobalans, J1, good quality, ex dock ton. 54.00 - 55.00
J2, ex dock ton. 46.00 - 47.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., wks., frt. equald lb. No prices.
tanks, same basis lb. .06¼ - .07¼
78°, bgs., c.l., wks., frt. equald. lb. .07 - —
l.c.l., same basis lb. .07¼ - —
bbls., c.l., same basis lb. .071 - .08
l.c.l., same basis lb. .0735 - .085
dms., c.l., same basis lb. .07½ - —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .065 - .075
Naphthalene, refined, industrial, bbls., c.l., frt. equald lb. .12 - —
bgs., c.l., same basis lb. .11½ - —
tanks, same basis lb. .11 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis. lb. .13¾ - —
1-lb. pkgs., c.l., same basis lb. .15¼ - —
Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 1.70 - 2.30
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .50 - —
Carbonate, bbls., dlvd lb. .48 - .50
Chloride, bbls., dlvd lb. .23 - —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb. .42½ - —
Metal, electro cathodes, cs lb. .40 - —
Nitrate, bbls., works lb. .24½ - .25½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .18 - —
l.c.l., dlvd lb. .18½ - —
Nicotinamide, USP, dms., works kilo. 11.00 - 11.30
Hydrochloride, dms., works kilo. 10.50 - 10.80
Nicotine sulphate, 40%, dms., dealers, frt. alld. over 50 lbs lb. .988 - —
tins, dealers lb. 1.105 - —
Nikethamide, bots., cbys lb. 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .09½
l.c.l. lb. .10 - .11
tanks lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., bbls., c.l., same basis. lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
Nitrocellulose, spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works lb. .30 - —
Nitrogen solution, tanks, works, N. ton. 120.00 - 137.16
Nitrogenous process tankage, bulk, works, ammo unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit ton. 4.15 + .40
Nitromethane, dms., l.c.l., works lb. .30 - —
Nitropropane, 1, dms., works lb. .30 - —
2, dms., works lb. .30 - —
Nutgalls, Aleppo, bgs lb. .50 - —
Chinese, bgs lb. .44 - —
Istrian, bgs lb. .29 - —
Nutmegs, East Indian, bgs., futures, afloat lb. .48 - .49
West Indian, bgs. lb. .47 - .48
futures lb. .42 - .43
Nux vomica, bls lb. .08 - .09
powdered, bbls., bxs lb. .11 - .12

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½ - —
Bayonne, N. J., tanks gal. .16 - —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots lb. 4.45 - 5.00
NF, bots lb. 4.90 - —
Sweet, dms., cns lb. .80 - 1.30
Angelica root, bots lb. 120.00 - 250.00
Seed, bots lb. 110.00 - 200.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. .78 - .90
Russian, cns lb. 3.25 - 3.75
Apricot kernel, cns., dms. lb. .48 - .56
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, tanks lb. .26 - —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.20 - 2.25
55-60%, cns lb. 1.20 - 2.35
60-65%, cns lb. 2.50 - —
West Indian, 50-55%, cns lb. 1.20 - 1.65
Bergamot, artif., cns lb. 2.50 - 4.25
natural, Italian, cns. lb. 3.75 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns lb. .95 - 1.76
rectified, cns. lb. 4.25 - —
Bois de rose, Brazil, cns lb. 3.00 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms. lb. 1.75 - 2.00
redistilled, USP IX, cns lb. 2.30 - 4.50
Calamus, cns lb. 20.00 - 28.00
Camphor, natural, white, cns lb. .40 - .75
synthetic, dms lb. .15 - .40
Cananga, native, cns lb. 4.00 - 9.10
rectified, cns lb. 5.00 - 12.50
Capsicum (see Capsicum oleoresin).
Oil, cardamom, NF, bots lb. 28.00 - 32.00
Cassia, USP, cns. lb. 1.90 - 3.75
Castor, blown, ret. dms., c.l lb. .22 - —
cold-pressed, USP, ret. dms., c.l. lb. .20½ - —
l.c.l. lb. .21 - —
tanks lb. .19 - —
dehydrated, bodied, dms., c.l. lb. .23¼ - —
l.c.l. lb. .24¼ - —
tanks lb. .22½ - —
unbodied, dms., c.l. lb. .22¾ - —
tanks lb. .21½ - —
hydrogenated, dms., c.l., works. lb. .31½ - —
l.c.l., same basis lb. .32½ - —
No. 3, tech., ret. dms., c.l. lb. .20 - —
l.c.l. lb. .20¾ - —
tanks lb. .18½ - —
sulphonated, 50% (48% fat), dms. lb. .13 - .13⅛
75% (60-62% fat), dms lb. .18 - .19
Cedarleaf, USP, cns., dms. lb. 2.00 - 2.85
Cedarwood, cns. lb. .50 - .93
dms. lb. .44 - .85
Celeryseed, bots. lb. 14.00 - 20.00
Chaulmoogra, NF, cns., dms lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots lb. 33.00 - 73.00
Leaf, Ceylon lb. 1.50 - 1.75
Seychelle lb. 1.20 - —
Citronella, Ceylon, cns. lb. .65 - .88
Java, cns. lb. 1.15 - 1.45
Clove, USP, from Madagascar buds, cns lb. 1.10 - 1.30
from Zanzibar buds, cns. lb. 1.45 - 1.50

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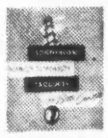

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Oil, coconut, crude, tanks, Atlantic ports lb. .25 - —
Pac. coast lb. .24 - —
refined, Cochin type, tax incl., dms., l.c.l lb. .31 Nom.
deodorized, tax incl., dms., l.c.l lb. .32 Nom.
Codliver, USP, dms gal. 2.60 - 2.70
Cod, Newfoundland, dms lb. .24 - .25
Coriander, bots lb. 34.00 -40.00
Corn, crude, tanks, works lb. .21½- —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03 Nom.
refined, tanks, mills lb. .25 - —
Costus, bots oz. 40.00 —
Cottonseed, crude, tanks, works lb. .19½- —
foots, acid 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03 Nom.
refined, dms lb. .27½- —
tankcars lb. .24¾- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb. 4.75 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 6.75 -10.00
Cumin, bots lb. 6.25 -11.50
Cypress, bots lb. 11.00 -15.00
Degras (see D).
Dillseed, bots lb. 9.00 - 9.50
Dillweed, bots lb. 8.75 - 9.00
Dip (see D).
Erigeron, cns lb. 4.00 - 4.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .82 - 1.45
70-80%, cns lb. .69 - 1.30
Fennel, sweet, cns lb. 3.05 - 4.50
Fir, Canada, cns lb. 1.90 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms 1,000,000 units. .22½- —
20,000 to 80,000 A units, dms 1,000,000 units. .32 - .34
pharmaceutical, 50,000 to 125,000 A units, dms 1,000,000 units. .34 - .43
pharmaceutical or food, 200,000 A units, dms 1,000,000 units. .42 - .45
concentrate, 100,000 A units, dms 1,000,000 units. .38 - .40
200,000 A units, dms 1,000,000 units. 42 - .45
500,000 A units, dms 1,000,000 units. .46 - .53
1,000,000 A units, dms 1,000,000 units. .49 - .55
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 9.00 - 9.25
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb. 10.00 -11.50
Bourbon, cns lb. 7.75 -15.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb. 7.50 -13.00
Grapefruit lb. 1.10 - 2.60
Grease, No. 1, dms lb. .17 - .17½
extra, winter, strained, dms lb. .20½- .21
prime, burning, dms lb. .22 - .22¼
Guaiacwood, cns lb. 2.05 - 4.15
Hemlock, cns lb. 1.95 - 2.75
Herring, crude, tanks, Pac. coast lb. No prices.
Juniper berry, NF VIII, bots lb. 5.00 - 5.25
twice rectified lb. 7.00 - 7.25
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots lb. 9.75 -12.25
Lavandin, cns lb. 1.30 - 3.75
Lavender flower, French, 38-42% ester, cns lb. 3.25 -10.15
30-32% ester, cns lb. 2.40 - 3.10
Spike, Spanish, pure, cns lb. 1.10 - 2.25
tech., cns lb. 1.00 - 2.75
Lemon, natural, USP, Calif., cns. lb. 2.55 - 2.95
Messina lb. 2.75 - 3.70
terpeneless, bots lb. 32.00 -65.00
Lemongrass, cns., dms. lb. 1.20 - 1.55
Lignaloe seed, Mexican, cns lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb. 2.75 - 5.20
Lime, distilled, Mexican, cns lb. 4.25 - 5.00
West Indian, cns lb. 4.50 - 6.00
expressed, West Indian, cns lb. 6.75 -11.25
terpeneless, bot lb. 35.00 -53.00
Linseed, raw, dms., c.l. lb. .2920- —
l.c.l. lb. .2980-.3040
tankcars lb. .2780- —
tankwagon lb. .2800- —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks, gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .285 - —
Penna., W., cylinder, 600-650 flash, tanks gal. .33 - .38
cylinder, 600-650 steam refd., tanks gal. .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks gal. .37 - .39
200 vis., 25 pour, tanks, gal. .39 - .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks, gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks gal. .11 - .12½
Mace, dist., cns., dms lb. 4.65 - 8.75
Mandarin, Brazilian, cns lb. 4.25 - 8.40
Italian, cns lb. 9.20 -12.00
Menhaden, crude, tanks, Balto lb. .15 Nom.
refined, alkali, dms., l.c.l lb. .2090- —
kettle-bodied, dms., l.c.l lb. .2240- —
light-pressed, dms., l.c.l lb. .1940- —
tanks lb. .18 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns lb. 1.40 - 1.60
Seed, expressed, dms lb. .26½- .27
Neatsfoot 15°, dms lb. .43 - —
20°, dms lb. .42 - —
30°, dms lb. .40 - —
Neroli, French, bots lb. 75.00 -390.00
Haitian, bots lb. 175.00 -200.00
Nutmeg, dist., cns lb. 4.65 - 8.75
Ocotea cymbarum, dms lb. .48 - 1.15
Oiticica, liquid, dms., c.l lb. .18 - .18½
l.c.l. lb. .19 - —
tanks lb. .18 - .18½
Oleo, extra, tes lb. .26 Nom.
Olibanum, bots lb. 4.50 - 6.25
extra fine lb. 6.25 -10.50
Olive, denat., dms gal. 3.25 - —
edible, Calif., dms gal. 4.00 Nom.
Spanish, dms., duty paid gal. 4.50 - 4.75
Moroccan, dms., same basis, gal. 4.15 - 4.25
foots, dms lb. .23 - .23½
tankcars lb. .21½- —
sulphonated, 50% (40% fat), dms., c.l lb. No stocks.
l.c.l. lb. No stocks.
75% (62% fat), dms., c.l lb. No stocks.
l.c.l. lb. No stocks.

Oil, orange, sweet, natural, dist., cns. lb. .78 - 1.25
expressed, USP, Brazilian, cns lb. 1.25 - 1.95
Calif., cns lb. 1.25 - 2.00
Florida, cns., dms lb. .72 - 1.00
Messina, coppers lb. 3.50 - 5.50
West Indian, cns lb. 2.25 - 3.75
sesquiterpeneless, bots lb. 53.00 -135.00
Origanum, Spanish, cs lb. 2.40 - 3.50
Palm, dms lb. .29 - —
Palmarosa, cns lb. 6.50 - 9.00
Palmkernel, crude, bulk, cif, NY lb. No prices.
Paraffin, pale 100-110 vis. at 100° F, tanks, works gal. .10 - —
Patchouli, dms lb. 6.00 -18.00
Peanut, crude, tanks, works lb. .20 - —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03 Nom.
refined, tanks, dlvd. E lb. .24½- —
drums lb. .27½- —
Pennyroyal, USP, dom., dms., cns lb. No stocks.
imported, cns lb. 2.30 - 2.35
Peppermint, natural, dms lb. 7.00 - 7.95
redist., USP, dms lb. 7.25 - 8.30
Perilla, crude, dms lb. No stocks.
Petitgrain, Paraguay, cns lb. 2.85 - 4.30
Pimento berry, dms lb. 4.25 - 6.50
leaf, cns lb. 1.50 - 3.25
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - .69
l.c.l., works, South gal. .61 - .70
dms., incl., c.l., works, South lb. .07½- —
l.c.l., works, South lb. .08 - —
ex whse., N. Y. C gal. .70 - —
ex whse., N. Y. C lb. .09½- —
tanks, works, South gal. .60 - —
tanks, works, South lb. .062 - —
steam-dist., dms., ex whse., East lb. .095 - —
non-ret. dms., incl., l.c.l., ex whse., N. Y. C gal. .86 - —
Pineneedle, Siberian, cns lb. 2.65 - 3.75
Swiss, 25-lb. cans lb. 4.00 -14.50
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal. .13½- —
light, dms gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .23 - —
Red, single dist., dms. lb. .18¾- .19¼
tanks lb. .17½- —
saponified, dms. lb. .18 - .19
double dist., dms. lb. .21¼- .22¼
tanks lb. .20 - —
Rose, natural, coppers oz. 16.00 -40.50
Rosemary, Spanish, tech., cns., dms lb. .75 - 1.50
USP, cns., dms lb. 1.10 - 1.60
Rosin, first rectified, dms gal. .66 - —
2d rectified, dms gal. .68 - —
3d rectified, dms gal. .78 - —
Rue, bots lb. 3.25 - 5.00
Sage, clary, bots lb. 14.50 -16.00
Dalmatian, cns lb. 2.80 - 3.10
Spanish, cns lb. 1.70 - 3.50
Sandalwood, NF, cns lb. 13.00 -16.50
Sardine, crude, tanks, Pac. coast. lb. .15½ Nom.
refined, alkali, dms., l.c.l lb. .2090- —
kettle-bodied, dms., l.c.l lb. .2240- —
light-pressed, dms., l.c.l lb. .1940- —
tanks lb. .18 - —
Sassafras, artificial lb. .48 - .75
natural, Brazilian (see Oil, ocotea cymbarum),
domestic, USP XII, cns., dms. lb. 1.50 - 2.30
Savin, cns lb. 5.00 -13.50
Savory, cns lb. 8.00 - —
Seal, No. 1, tanks, U. S. ports lb. No prices.
Sesame, tanks lb. No prices.
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Soybean, crude, tanks, mills lb. .19 - —
foots, acid, 95%, tanks, dlvd. E, lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03 Nom.
refined, alkali, dms., c.l lb. .2302- —
l.c.l. lb. .2380- .2420
tanks lb. .2182- —
clarified, dms., c.l lb. .2152- —
l.c.l. lb. .2230- .2270
tanks lb. .2032- —
winterized, refined, tankcars, dlvd. East lb. .22¼- .22½
drums lb. .25 - —
Spearmint, dms lb. 5.00 - 9.00
Sperm, bleached, 38°, dms lb. .2690- —
natural, 45°, dms lb. .2570- —
Spruce, cns., dms lb. 1.95 - 2.75
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns lb. 4.50 - 8.00
Southern, cns lb. 1.95 - 3.25
Tall, crude, tanks, works ton 40.00 - —
refined, dms., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
tanks, works lb. .05¾- —
Tallow, acidless, dms lb. .19 - .19½
Tansy, cns lb. 9.00 -14.00
Tar, pine, com'l, dms, incl., c.l., works, South gal. .41 - .43½
l.c.l., works, South gal. .43 - .45½
whse., N.Y.C gal. .52¾- .54¾
tanks, works, South gal. .32 - .34½
rectified, USP, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, l.c.l., dms lb. .30 - .31
Thyme, NF, red, cns lb. 2.15 - 3.35
white, cns lb. 2.40 - 3.80
technical, white, cns lb. .35 - 1.00
Tung, dms., c.l lb. .25 - —
l.c.l. lb. .25½- —
tanks lb. .23¼- .23½
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .30 - .53
Vetiver, Bourbon, cns lb. 9.50 -45.00
Haitian lb. 10.50 -20.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, dms gal. 10.00 -13.50
White mineral, tech., 50 vis., non-ret., dms., c.l., San Francisco gal. .51½- —
l.c.l., S.F. gal. .53½- .56½
50-65 vis., dms., c.l., N.Y. gal. .45 - —
l.c.l., N.Y. gal. .48 - .52
65-75 vis., dms., c.l., N.Y gal. .48 - —
l.c.l., N.Y. gal. .51 - .55
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
USP, 80-90 vis., dms., c.l., N. Y. gal. .52 - —
l.c.l., N. Y. gal. .55 - .59
85 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
100 vis., non-ret. dms., c.l., S. F. gal. .59 - —
l.c.l., S. F. gal. .61 - 64
125-135 vis., dms., c.l., N. Y. gal. .64 - —
l.c.l., N. Y. gal. .67 - 71

Oil, white mineral, USP, 145 vis., non-ret. dms., c.l., S.F. gal. .68 - —
l.c.l., S. F. gal. .70 - .76
145-155 vis., dms., c.l., N. Y. gal. .66 - —
l.c.l., N. Y. gal. .69 - .73
175-185 vis., dms., c.l., N. Y. gal. .69 - —
l.c.l., N. Y. gal. .72 - .76
180 vis., non-ret. dms., c.l., S.F. gal. .70 - —
l.c.l., S. F. gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .73 - —
l.c.l., N. Y. gal. .76 - .80
335-345 vis., dms., c.l., N. Y. gal. .81 - —
l.c.l., N. Y. gal. .84 - .88
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F. gal. .85 - .88
Wintergreen, nat., Northern, cns. lb. 8.00 -14.50
Southern, cns lb. 3.65 - 6.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 3.25 - 4.00
Wormwood, cns lb. 6.65 -13.50
Ylang-ylang, Bourbon, extra, bots, lb. 8.00 -25.00
first, bots lb. 8.00 -15.00
second, bots lb. 5.00 -10.00
third, bots lb. 3.00 - 7.50
Olein, crude (see Oil, red).
white, dms lb. .21¼- .22¼
tankcars lb. .20 - —
low titre, dms lb. .21¾- .22¾
tankcars lb. .20½- —
Oleostearin, bbls lb. .20 - .21
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works ton. 10.00 - —
paper, bgs., c.l., works ton. 12.00 - —
lumps, bulk, c.l., works ton. 7.00 - —
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns lb. 21.65 -21.90
powd., USP, cns lb. 21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Orange, chrome, CP, bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .31½- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld lb. .2760- —
Molybdate lb. .43 - —
Persian, bbls lb. .30 - .45
Orange flowers, bls lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .14 - .16
Oregano, Mexican, bgs lb. .16½- .17
Portuguese, bgs lb. .20 - .20½
Sicilian, bgs lb. .16 - .16½
Orris root, Florentine, bls lb. .26 - .27
powdered, bbls., bxs lb. .30 - .31
Verona, bls lb. .18 - .19
powdered, bbls., bxs lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoamylphenol, dms., l.c.l., works, lb. .42 - —
Orthoanisidin, bbls lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - .62
smaller lots lb. .62 - .67
Orthochloroparanitroanilin, dms., works lb. .65½- .81
Orthochlorophenol, dms lb. .26 - —
Orthocresol, pure, 30° dms., c.l., works lb. .33 - .35
l.c.l., works lb. .33½- .35½
tech., 20°, dms., c.l., works lb. .24½- —
l.c.l. lb. .25 - —
29°-30°, dms., c.l., works lb. .33 - .34
l.c.l., works lb. .33½- .34½
25°-27°, dms., c.l., works lb. .26 - .26¼
l.c.l., same basis lb. .26¾- —
tanks, same basis lb. .27½- —
Orthodichlorobenzene, 50-lb. cns lb. .12½- —
100-lb. cns lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .07½- .08½
l.c.l., same basis lb. .09½- .10¼
tanks, same basis lb. .07 - .08

Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.

Orthoisopropyl N-phenylcarbanate (see IPC).
Orthonitroanilin, dms lb. .50 - .53
Orthonitrochlorobenzene, dms lb. .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, dms lb. .66 - —
Orthonitrotoluene, dms lb. .11 - —
Orthophenetidin, dms lb. .90 - —
Orthotoluidin, dms lb. .18 - .20
Orthotoluidin, distilled, kgs lb. 1.00 - —
Osage orange crystals, bbls., l.c.l lb. .32½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Ouabaine, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs. works lb. 6.40 - —
smaller lots, works lb. 6.55 - 7.40

P

Papain, powd., cs lb. 3.75 - 4.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 1,000-oz. lots oz. 6.60 - —
smaller lots oz. 6.30 - 6.50
Sulphate, cns oz. 7.10 - 7.35
Paprika, Chilean, bgs lb. .25 - .26
Portuguese, bgs lb. .32 - .33
Spanish, bgs lb. .44 - .44½
Paraanisidin, dms., works lb. .80 - —
Parachlorophenol, dms., c.l., works, lb. .27 - —
l.c.l., works lb. .28 - .33
Parachloroanilin, dms., frt. alld. E. Miss. lb. .70 - —
Parachloro-orthonitroanilin, dms lb. No stocks.
Paracresol, 98%, dms., works lb. .45 - .48
92%-94%, dms., works lb. .45 - —
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - —
l.c.l., same basis lb. .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., refy lb. No prices.
126-128 ASTM, bbls., c.l., refy lb. No prices.

Paraffin, fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0690- —
122-124 ASTM, loose, c.l., ref'y, lb. .07 - —
125-127 ASTM, loose, c.l., ref'y, lb. .0710- —
128-130 ASTM, loose, c.l., ref'y, lb. .0730- —
130-132 ASTM, loose, c.l., ref'y, lb. .0735- —
132-134 ASTM, loose, c.l., ref'y, lb. .0760- —
135-137 ASTM, loose, c.l., ref'y, lb. .08 - —

Paraffin prices in bgs. and etns., 7.10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, dms., 1,000 lbs., works lb. .24 - —
smaller lots, works lb. .25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .11 - —
USP, cbys lb. .37 - .40
Paranitroanilin, kgs., works lb. .44½- —
Paranitrochlorobenzene, kgs., works, lb. .18 - —
Paranitrophenol, kgs., works, frt. equald. lb. .40 - —
Paranitrotoluene, kgs., works lb. .36¾- —
Paraphenylphenol, bgs., works lb. .27 - .28
Paraphenylenediamine, tech., kgs., works lb. 1.30 - —
Paratertiarybutylphenol, bgs., works, lb. .19 - .20
Parathion tech., dms., c.l., works lb. 2.50 - —
l.c.l., works lb. 2.55 - —
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - .58
Pareira brava root, whole, bgs lb. .30 - .31
ground, bxs lb. .40 - .41
powder, bxs lb. .42 - .43
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E lb. .31 - —
l.c.l., same basis lb. .32 - .33
Passion flower herb, bls lb. .26 - .28
Patchouli leaves, bls lb. .45 - .50
Pectin, citrous, bbls lb. 1.25 - —
Penicillin, bulk, calcium, Romansky, 500,000,000 to 5,000,000,000 units 100,000 units. .07½- .08
Potassium, crystalline, quantity 100,000 units. .09½- .10
Procaine G, same quantity 100,000 units. .10 - .10½
Sodium, crystalline, same quantity 100,000 units. .10 - .10½
distributors' unlabeled, potassium or sodium, crystalline, bots., 100,000 units bot. .175 - —
200,000 units bot. .275 - —
500,000 units bot. .575 - —
1,000,000 units bot. 1.075 - —
100,000 units bot. .16 - —
200,000 units bot. .25 - —
500,000 units bot. .52 - —
1,000,000 units bot. .97 - —
Procaine G in oil, 10 cc vials, 300,000 units per cc vial 3.60 - —
Pennyroyal leaves, bls lb. .23 - .30
Pentachlorophenol, dms., works lb. .20 - .25
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .34 - .36
For di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal. .10½- .11¼
Pepper, black, bgs lb. .83 - .85
futures, bgs., nearby lb. .80 - .81
distant, new crop lb. .55 - .67
Red, capsicum, Louisiana longs, bgs., shipment point lb. .18 Nom.
Hontaka, bgs lb. No Stocks.
Mombasa, bgs lb. No stocks.
Niger, bgs lb. .34 - .35
birdseye, bgs lb. .50 - .50½
Sierra Leone, futures lb. .23 Nom.
Chillies, Haitian, bgs lb. No stocks.
Mexican, long lb. No stocks.
White, bgs lb. .84 - .85
Peppermint, USP, dom., bls lb. .60 - .65
imported, bls lb. .75 - .80
Perchlorethylene, dms., c.l., zone 1, works, frt. alld. lb. .10¾- —
zone 2, same basis lb. .11¼- —
zone 3, same basis lb. .11¾- —
zone 4, same basis lb. .11¾- —
l.c.l., zone 1, same basis lb. .11¾- —
zone 2, same basis lb. .12 - —
zone 3, same basis lb. .12½- —
zone 4, same basis lb. .12 - —
tanks, zone 1, same basis lb. .10¼- —
zone 3, same basis lb. .11¼- —
zone 4, same basis lb. .10¾- —

Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N.D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms lb. .85 - 1.05
Petrolatum, tech., dark, bbls., c.l., group 3 lb. .021 - —
f.o.b. Indiana refy lb. .04½- —
golden topaz, bbls., c.l lb. .032 - —
l.c.l. lb. .036 - —
red, veterinary, bbls., c.l lb. .024 - —
l.c.l. lb. .028 - —
USP, amber, non-ret, dms., c.l lb. .04¾- —
Pennsylvania refy lb. .04½- —
l.c.l. lb. .05⅜- —
California refy lb. .03¾- —
cream, c.l., dms lb. .06½- —
l.c.l. lb. .06⅞- —
extra, amber, dms., c.l lb. .05 - —
Pennsylvania refy lb. .04¾- —
l.c.l. lb. .06⅛- —
white, lily, dms., c.l lb. .06¾- —
l.c.l. lb. .06⅞- —
snow, dms., c.l lb. .07¼- —
Pennsylvania refy lb. .07⅛- —
l.c.l. lb. .09⅛- —
California refy lb. .12 - —
soft, dms., c.l lb. .06½- —
Pennsylvania refy lb. .06⅞- —
l.c.l. lb. .07⅛- —
California refy lb. .10½- —
yellow, soft, dms., c.l lb. .04¾- —
Pennsylvania refy lb. .04⅞- —
l.c.l. lb. .06 - —
California refy lb. .08¾- —
Petroleum, crude, bulk, at wells, California bbl. 1.94 - 2.88
Illinois bbl. 2.65 - 2.77
Kentucky bbl. 2.60 - 2.77
Louisiana-Arkansas bbl. 2.14 - 3.10
Montana bbl. 2.50 - 2.65
Oklahoma-Kansas bbl. 2.23 - 3.00
Pennsylvania, lower field bbl. 5.00 - —
Upper field bbl. 3.10 - 5.00
Texas, East bbl. 2.65 - 3.00
Gulf coast bbl. 2.38 - 3.39
North, North-Central bbl. 2.23 - 3.00
Panhandle bbl. 2.23 - 3.00
West bbl. 2.10 - 2.87
Wyoming bbl. 1.90 2.65

Establish a Dependable Source of Supply

CRYSTAMET

(Pentahydrate Sodium Metasilicate)

GRADE: REGULAR-FREE FLOWING
FINE GRANULAR
No. 1460-UNIFORM COARSE
GRANULAR DUST-FREE

PACKING: WOODEN BARRELS
325 lbs. Net Weight
FULL OPEN HEAD DRUMS
300 lbs. Net Weight
MULTI-WALL PAPER BAGS
100 lbs. Net Weight

Available in Carload Quantities from Plant
Less Carload Quantities from local Warehouse

IMMEDIATE SHIPMENT

DRYSEQ

(Sodium Sesquisilicate Technically Anhydrous Equivalent)

GRADE:
FREE FLOWING POWDER
Containing 56.75% Na_2O

PACKING: FULL OPEN HEAD DRUMS
400 lbs. Net Weight

Available in Carload Quantities from Plant
Less Carload Quantities from local Warehouse

IMMEDIATE SHIPMEMT

DRYORTH

(Technically Anhydrous Sodium Orthosilicate)

GRADE:
FREE FLOWING
POWDERED SILICATE
Containing not less than 60% Na_2O

PACKING: FULL OPEN HEAD DRUMS
400 lbs. Net Weight

Available in Carload Quantities from Plant
Less Carload Quantities from local Warehouse

IMMEDIATE SHIPMENT

DRYMET

(Commercial Anhydrous Sodium Metasilicate)

GRADES:
REGULAR: UNIFORM, GRANULAR, DUST-FREE
Weight — per drum — 400 lbs.
per bag — 100 lbs.
FINES: FREE-FLOWING, SMOOTH-TEXTURED POWDER
Weight — per drum — 350 lbs.

Available in Carload Quantities from Plant
Less Carload Quantities from local Warehouse

IMMEDIATE SHIPMENT

RN

RICHES-NELSON, INC.

Chemicals and Allied Products

342 MADISON AVENUE NEW YORK 17, N. Y.
TELEPHONE: MURRAY HILL 7-7267 CABLE ADDRESS: RICNELCHEM, N. Y.

Petroleum Ether—Pilocarpine Hydrochloride

Petroleum ether, laboratory, 30°-60° C, cns., dlvd. E	gal.	1.50	—
dms., c.l., group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
35°-60° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
40°-75° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
90°-160° C, ret. dms., ex-tax, f.o.b. San Francisco	gal.	.57	—
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery	bbl.	2.10	2.20
light, tanks, refinery	bbl.	2.35	2.40
Eastern, tanks, Albany, N.Y.	bbl.	3.249	—
Baltimore, Md	bbl.	3.03	3.07
Boston, Mass	bbl.	3.055	3.315
Charleston, S. C	bbl.	2.96	—
Jacksonville, Fla	bbl.	2.99	3.03
New York, N. Y	bbl.	3.03	3.37
Norfolk, Va	bbl.	3.00	3.04
Philadelphia, Pa	bbl.	3.03	3.27
Portland, Me	bbl.	3.095	3.115
Providence, R. I	bbl.	3.045	3.085
Savannah, Ga	bbl.	2.99	3.03
Diesel, tanks, refinery, California	gal.	.088	.104
Pennsylvania	gal.	.11	.12
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.09125	—
No. 3	gal.	.08875	—
Petroleum, fuel oil, furnace, tanks, ref'y, Bayonne, N. J., No. 2	gal.	.094	—
Group 3, No. 1	gal.	.0925	—
No. 1, straw	gal.	.0925	.09375
No. 2, straw	gal.	.09	.0925
No. 3	gal.	No prices.	
range	gal.	.095	—
Pennsylvania, No. 1	gal.	.1125	.125
No. 2	gal.	.11	.125
No. 3	gal.	.11	.12
Lacquer diluent, California, 170-255 F, b.r., tanks, ex-tax, f.o.b. Los Angeles	gal.	.147	—
255 F, b.r., tanks, ex-tax, Portland, Ore	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash	gal.	.158	—
East coast, tanks, N. J. and N. Y., refinery	gal.	.16	—
Group 3, benzol-type, tanks, refinery	gal.	.1225	.13
toluol-type, tanks, refinery	gal.	.1225	.13
Mineral spirits, California, 170-255 b.r., tanks, ex-tax, f.o.b. San Francisco	gal.	.152	—
205-295 b.r., tanks, same basis	gal.	.152	—
245-360 b.r., tanks, same basis	gal.	.152	—
305-362 b.r., tanks, same basis	gal.	.142	—
312-400 b.r., tanks, same basis	gal.	.142	—
360-455 b.r., tanks, same basis	gal.	.152	—
East coast, tanks, N. J., N. Y., refinery	gal.	.14	—
Group 3, tanks	gal.	.1025	.115
Petroleum, mineral spirits, tankwagon, Baltimore	gal.	.175	—
Boston	gal.	.16	—
Buffalo	gal.	.165	—
Camden, N. J	gal.	.15	—
Chicago	gal.	.195	—
Detroit	gal.	.211	—
Kansas City, Mo	gal.	.162	—
Lancaster, Pa	gal.	.16	—
Newark	gal.	.15	—
New York	gal.	.15	—
Philadelphia	gal.	.15	—
Pittsburgh	gal.	.175	—
Providence	gal.	.165	—
Rochester	gal.	.175	—
St. Louis	gal.	.189	—
Syracuse	gal.	.185	—
Washington, D. C	gal.	.175	—
Naphtha, cleaners, California, tanks, San Francisco	gal.	.123	—
East coast, tanks, N. J., N. Y., refinery	gal.	.14	—
Group 3, tanks	gal.	.10625	.12
tankwagons, St. Louis	gal.	.1470	—
Newark	gal.	.15	—
Chicago	gal.	.14¼	—
Detroit	gal.	.15½	—
New York	gal.	.15	—
Philadelphia	gal.	.15	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.13	.145
high-solvency, tanks, refinery, 200-285 b.r., 37-38° C, mixed anilin pt	gal.	.22	—
25-26° C, m.a.p	gal.	.21	.26½
270-370 b.r., 78-81° C, m.a.p.	gal.	.24½	.26
270°-370° b.r., 49° C, m.a.p	gal.	.29	—
26° C, m.a.p	gal.	.21	.26
Petroleum, naphtha, high-solvency, tanks, ref'y, 300-400 b.r., 26-32° C, m.a.p	gal.	.21	.26½
340-410 b.r., 32° C, m.a.p.	gal.	.21	—
36° C, m.a.p	gal.	.21	.28½
340-440 b.r., 32° C, m.a.p.	gal.	.26½	—
360-480 b.r., 25° C, m.a.p.	gal.	.21	—
V.M.&P., California, 245-360 b.r., tanks, ex-tax, f.o.b. Los Angeles	gal.	.147	—
Portland, Ore	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash	gal.	.158	—
East coast, N. J., N. Y., tanks, Group 3, tanks	gal.	15	—
Gulf coast, tanks, New Orleans	gal.	.1125	.12
tankwagon, Boston	gal.	.12.75	—
Chicago	gal.	.175	—
Detroit	gal.	.205	—
Milwaukee	gal.	.221	—
Minneapolis	gal.	.207	—
Newark	gal.	.205	—
New York	gal.	.165	—
Philadelphia	gal.	.165	.17
Pittsburgh	gal.	.165	—
St. Louis	gal.	.185	—
Solvent, rubber, California, tanks, ex-tax, San Francisco	gal.	.199	—
East coast, N. J., N. Y.,	gal.	.152	—
Group 3, tanks	gal.	.15	—
Stoddard, California tanks, ex-tax, San Francisco	gal.	.11	.1175
East coast, N. J., N. Y., tanks	gal.	.142	—
Group 3, tanks	gal.	.14	—
Pennsylvania, western, tanks,	gal.	.11	.1175
tankwagon, Boston	gal.	.10	—
Chicago	gal.	.16	—
Detroit	gal.	.15½	—
Milwaukee	gal.	.17½	—
Minneapolis	gal.	.16½	—
Newark	gal.	.164	—
New York	gal.	.15	—
Philadelphia	gal.	.15	—
Pittsburgh	gal.	.15	—
St. Louis	gal.	.17	—
Syracuse	gal.	.17	—
Sulphonate, 70% sulphonic content, ret. dms., c.l., works	lb.	.15¼	—
l.c.l., works	lb.	.15½	—
tanks, works	lb.	.13¾	—
50% sulphonic content, ret. dms., c.l., works	lb.	.12¼	—
l.c.l., works	lb.	.12½	—
tanks, works	lb.	.10¾	—
Phenobarbital, dms, 100 lbs.	lb.	4.00	4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, and frt. equald	lb.	.13½	.14½
l.c.l., same basis	lb.	.14¼	.15¼
tanks, same basis	lb.	.12½	.13½
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.14¼	.15
l.c.l., same basis	lb.	.15	.15¾
tanks, same basis	lb.	.13¼	.14
USP, dms., c.l., same basis	lb.	.13½	.14¼
l.c.l., same basis	lb.	.14¼	.15
tanks, same basis	lb.	.12½	—
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs	lb.	1.00	—
smaller lots	lb.	1.01	1.04
Phenothiazin, NF, fib, dms., ton lots, works	lb.	.49	—
smaller lots, works	lb.	.54	—
Phenylacetaldehyde solution, 50%, bots	lb.	2.35	2.75
pure, bots	lb.	4.00	4.80
Phenylacetamide, dms., works, 1,000 lb. lots	lb.	1.45	—
smaller lots	lb.	1.60	—
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	—
Phenyldiethanolamine, dms., c.l., works	lb.	.34½	—
l.c.l., works	lb.	.35	—
Phenylethanolamine, dms., c.l., works	lb.	.64½	—
l.c.l., same basis	lb.	.65	—
Phenylethyl acetate, dms	lb.	1.65	2.70
Phenylethylphenyl acetate, bots	lb.	4.50	6.00
Phenylhydrazin base, CP, bots	lb.	3.00	3.07
Hydrochloride, CP, bots., works,	lb.	5.00	5.07
commercial, kgs., works	lb.	1.75	—
Phenylmethylpyrazolone, dms., works	lb.	1.58	1.60
Phloroglucinol, CP, fib. dms., works	lb.	13.75	15.75
commercial fib. dms., works	lb.	7.00	8.00
tech., fib., dms.	lb.	10.00	10.75
Phosgene, 150-lb. cyls., works	lb.	.20½	.27
10-lb. cyls., works	lb.	1.50	—
Phosphate, defluorinated (see under D).			
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine	long ton.	4.61	—
70%-68%, b.p.l., c.l. same basis	long ton.	5.01	—
72%-70%, b.p.l., c.l., same basis	long ton.	5.31	5.61
75%-74%, b.p.l., c.l., same basis	long ton.	6.31	6.81
77%-76%, b.p.l., c.l., same basis	long ton.	7.31	—
finely ground, 65.5% b.p.l., basis 30% P_2O_5 minimum.	short ton.	5.78	—
68%, b.p.l., basis 31% P_2O_5 minimum	short ton.	5.98	—
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	6.93	—
Prices for Florida phosphate rock plus usual bonus penalty clause on oil labor. Prices on entirely pebble, 50c. long ton higher than above quotations.			
Tennessee, brown, run-of-mine, unground, 27-26% P_2O_5	long ton.	6.00	—
30-29% P_2O_5	long ton.	6.75	—
Phosphorus, red, amorphous, cs.	lb.	.33	.36
tins, export	lb.	.40	.43
Yellow, cns	lb.	.30	.32
dms., c.l.	lb.	.26	.28
Oxychloride, dms., works	lb.	.12	.13
Pentoxide, dms., c.l., works	lb.	.12	.14
l.c.l., works	lb.	.13	.14
Sesquisulphide, tins, cs., works	lb.	.28	.30
Trichloride, dms., c.l., works	lb.	.12	.13
l.c.l., works	lb.	.13	.14
Phthalamide, bbls., works	lb.	.35	.40
kgs., works	lb.	.45	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald	lb.	.22½	.24½
Pacific Coast, dlvd	lb.	.22	.24½
l.c.l., frt. equald	lb.	.23½	.25
Pacific Coast, dlvd	lb.	.24	.26½
Pichi leaves, bgs	lb.	.07	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots	oz.	8.00	—
Pilocarpine hydrochloride, USP, bots., vials	oz.	6.50	7.30
Nitrate, bots., vials	oz.	6.25	7.20

THEY'RE HERE RIGHT NOW

coming in 1949 from the

BIGGEST show on earth!

(!!! MORE STUPENDOUS THAN EVER !!!)

3 center-ring features IN A 3

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CSC

FERMENTATION BUTYLS!

BUTYL ACETATE — BUTANOL — DIBUTYL PHTHALATE

1949 is a NEW YEAR! a DIFFERENT year . . . so NOW ask yourself these momentous questions!

1—Have I checked on CSC Butyls lately? (BETTER DO IT RIGHT AWAY!)

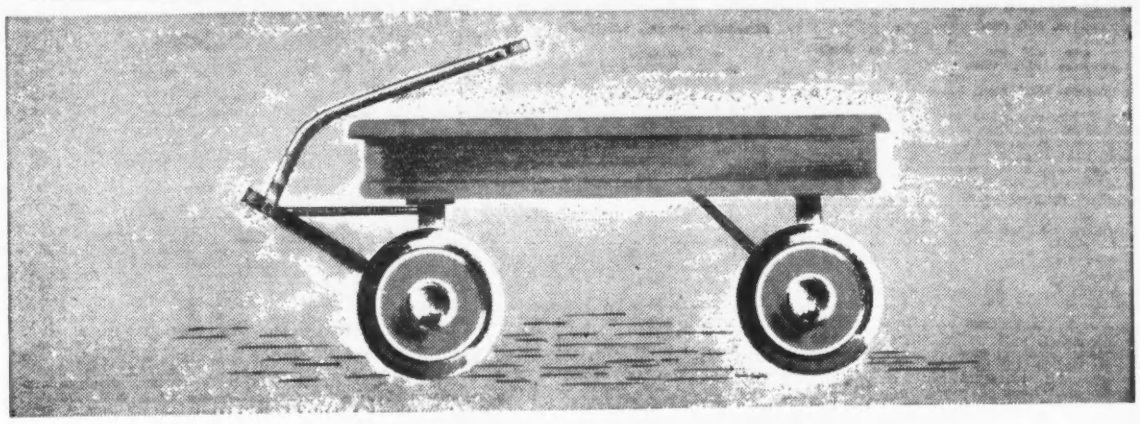
2—Is it now possible for me to return to pre-war quality?

CHECK NOW—PLAN FOR THE FUTURE—WITH

COMMERCIAL SOLVENTS CORPORATION

17 EAST 42nd ST. NEW YORK 17, N. Y.

Pimento, Jamaica, bgs. ..... lb. .24 - .24½
Pinetar, retort, dms. incl., c.l., works, South.. gal. .43½- —
l.c.l., same basis..... gal. .45½- —
whse., N.Y.C..... gal. .54¾- —
tanks, works, South..... gal. .34½- —
Pinkroot, bls. ..... lb. 1.93 - 2.00
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis..... lb. 1.75 - —
Piperazine hexahydrate, bots..... lb. 8.50 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works..ton.34.00 - —
l.c.l., works ..... ton.36.00 -37.00
Cottonseed, dms., works ..... lb. .10½- .10¾
Hardwood, paper bgs., works.. lb. .04 - —
Linseed, dms ..... lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East ... 100 lbs. 6.90 - —
Soybean, dms., works..... lb. .10¼- .10½
Plaster of paris (see Gypsum).
Platinum metal, works..... oz.93.00 -96.00
Pleurisy roots, bls..... lb. .23 - .26
Podophyllin, dms..... lb.14.25 - —
Pokeroot, bls. ..... lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .33 - —
20,000 lbs., same basis.... lb. .34 - —
smaller lots, same basis... lb. .35 - .42
water-clear, dms., 30,000 lbs., works, frt. alld.. lb. .27 - —
20,000 lbs., same basis ..... lb. .28 - —
smaller lots, same basis.... lb. .29 - .35
Pomegranate root bark, bgs.... lb. .75 - .76
Poppy flowers, bls ..... lb. .50 - .55
Seed, Danish, bgs., futures..... lb. .24½- .25
Dutch, bgs..... lb. .23 - .23½
Turkish, bgs ..... lb. .14 - .14½
futures, bgs..... lb. .13 - .13½
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works .. 100 lbs. 9.60 - —
l.c.l., works..... 100 lbs.10.35 - —
liquid, dms., c.l., works 100 lbs. 9.00 - —
l.c.l., works..... 100 lbs. 9.75 - —
tanks, works..... 100 lbs. 8.25 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.00 - —
l.c.l., works..... 100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works..lb. .0785- —
l.c.l., works..... lb. .0860- —
liquid, 45% basis, dms., c.l., works..lb. .03575- —
l.c.l., same basis..... lb. .0395- —
tanks, same basis..... lb. .03¼- —
solid, 88-92%, dms., c.l., works. lb. .07¼- —
l.c.l. ..... lb. .08 - —
Potassium abietate ..... lb. .08 - —
Acetate, USP, dms..... lb. .28 - .30
Bicarbonate, USP, gran., dms.. lb. .20 - .22
powd., dms ..... lb. .22 - .24
Bichromate, bgs., c.l., works.. lb. .12½- —
l.c.l. ..... lb. .12½- .13
Potassium bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works ton.200.00 - —
ton lots, works ..... ton.218.50 - —
less ton lots, works..... ton.223.50 - —
Bromate, bbls., 1,000 lbs. or more. lb. .48 - —
25-200 lbs..... lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs.. lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works.. lb. .07½- —
l.c.l., same basis..... lb. .08 - —
hydrated, 83-85%, bbls., c.l., works.. lb. .06 - —
dms., l.c.l., works..... lb. .06½- —
USP, gran., bbls., dms..... lb. .16 - .18
powd., bbls., dms..... lb. .21 - .23
Chromate, tech., bgs..... lb. .25 - .29
Chlorate, cryst., kgs., c.l., works. lb. .08½- —
l.c.l., works..... lb. .09¼- —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works..... lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse.. lb. .12 - —
Chloride, USP, cryst., bbls..... lb. .26 - .27
gran., bbls ..... lb. .20 - .22
powd., bbls ..... lb. .29 - .32
Citrate, USP, gran., dms..... lb. .37½- .42¼
Potassium citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works..... lb. .55 - —
Fluoride, dms., works..... lb. .24 - —
Glycerophosphate, 75% solution, cbys.. lb. 2.05 - 2.20
Guaiacol sulphonate, NF., dms .lb. 1.60 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, sticks, cns ..... lb. .34 - .36
Hypophosphite, 50-lb. lots..... lb. .90 - .93
Iodide, dms. ..... lb. 2.10 - 2.13
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls..... lb. .19 - .21
powd., bbls ..... lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M.. unit-ton. .37½- —
Trona, Cal..... unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls.. lb. .30 - —
Perchlorate, kgs., c.l., works... lb. .13½- —
dms., l.c.l., works..... lb. .14 - .15
Permanganate, tech., kegs works lb. .21¾- .22¼
USP, dms., works..... lb. .23¼- .24
Persulphate, dms., c.l., works... lb. .17 - —
l.c.l., works ..... lb. .21 - —
Phosphate, tetrabasic, bbls., works.. lb. .13 - .13½
Prussiate, red, kgs ..... lb. .55 - .58
Yellow, bbls ..... lb. .19 - —
Ricinoleate, tech., bbls ..... lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. ..... 100 lbs.15.25 - —
Solution, 29° Be, ret. dms., c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works ..... 100 lbs. 5.50 - —
62° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works ..... 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works ..... 100 lbs. 7.00 - —
Silicofluoride, bbls., works..... lb. .07 - .08
Sulphate, NF, cryst., bbls..... lb. .31 - .33
powd., bbls ..... lb. .14½- .15
agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works..ton.32.50 - —
indust, bulk, works..... ton.36.00 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms... lb. .70 - .75
tech., works..... lb. .45 - .50
Titanate, ctns., c.l., works.... lb. .12 - —
5 tons, works ..... lb. .12¼- —
1 ton or less, works..... lb. .12¼- .13
Xanthate, dms., c.l. ..... lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, works..ton.14.50 - —
Potassium-sodium ferricyanide, kgs., works.. lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., c.l., works.. lb. .40 - —
l.c.l., works ..... lb. .41¼- .45
Potassium-titanium oxalate, bbls., dms.. lb. .50 - .55
Potassium-zirconium fluoride, fib. dms., c.l., works.. lb. .50 - —
l.c.l., works ..... lb. .52½- .55
Prickly ash bark, bls ..... lb. .28 .33
Berries, bgs. ..... lb. No stocks.
Prince's pine herb, bls..... lb. .55 .60
Procaine hydrochloride, cns., 200-lb. lots.. lb. 4.75 - —
smaller lots..... lb. 5.00 - 5.75
Propane, commercial grade, tanks, group 3.. gal. .06 - —
Propionaldehyde, dms., c.l., works. lb. .16¼- —
l.c.l., works ..... lb. .17 - —
tanks, works..... lb. .15 - —
Propyl acetate, dms., c.l., works.. lb. .17 - —
l.c.l., works ..... lb. .18 - —
tanks, works ..... lb. .15 - —
tankwagons, works..... lb. .15½- —
Aldehyde (see Propionaldehyde).
Propylene dichloride, dms., c.l. lb. .08½- —
l.c.l. ..... lb. .09½- —
smaller containers..... lb. .12½- —
tanks ..... lb. .07 - —
Oxide, dms., c.l., frt. alld. E.. lb. .20½- —
l.c.l., frt. alld. E..... lb. .21½- —
tanks, frt equald. E..... lb. .18½- —
Propyleneglycol NF, dms., c.l., frt. alld. E.. lb. .17 - —
l.c.l., same basis ..... lb. .18 - —
tanks, same basis ..... lb. .15½- —
Propyleneglycol methylether, dms., c.l., frt. equald.. lb. .18 - —
l.c.l., same basis..... lb. .18½- —
tanks, same basis..... lb. .16½- —
Propylthiouracil, bots., works.. kilo.50.00 - —
Psyllium seed (see Fleaseed).
Pulsatilla herb, bls ..... lb. .55 - .60
Pumice, dom., grd., course, 0-½, 1, 1½, 2, 3, bgs., ton lots. lb. .03¾- .04
Chicago, bgs., ton lots.. lb. .04½- —
smaller lots..... lb. .03⅞- .04¼
fine, bgs., ton lots..... lb. .03⅜- —
smaller lots..... lb. .03⅝- .04
Italian, silk-screen, fine, bgs., ton lots.. lb. .04 - —
coarse, bgs., ton ..... lb. .05½- —
sun dried, fine, bgs., ton lots.. lb. .03 - —
coarse, ogs., ton lots.... lb. .04½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs ..... lb. .25 - .28
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%: for aerosol bombs, dms., works lb.. 7.25 - 7.30
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 5.75 - —
regular base, dms., works, gal. 5.63 - —
liquid (30 to 1), base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 9.55 - —
regular base, dms., works, gal. 9.43 - —
Pyrethrins flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .26 - .28
powder, 1.3% pyrethrins, bbls., works lb. .38 - —
Pyridin, denaturing ret. dms., works and frt. equald.. gal. 2.49 - 2.52
refd., 2° non-ret. dms., c.l., same basis lb. .69 - .70
l.c.l., same basis ..... lb. .69½- .80
ret. dms., l.c.l., same basis lb. .69 - .80
Pyridoxin hydrochloride, 100-gram lots.. gram. .55 - —
Pyrites, Spanish, c.i.f. Atl ports, long-ton. 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines.. ton.11.00 -11.50
230 mesh bulk, c.l., mines.. ton.12.00 - —
325 mesh, bulk, c.l., mines.. ton.14.00 - —
No. 3 200 mesh bulk, c.l., mines. ton. 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines..ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines..ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works ..... lb. .14 - —
gray, cs., works..... lb. .14 - —
mixed, mottled, cs., works.. lb. .12 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works..... lb. .17 - —
translucent, pastels, cs., works. lb. .17 - —



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For those bright, clean reds demanded for so many low-cost products and industrial finishes, turn to RCI Para Toners. From your customers' standpoint their excellent covering power, brilliant masstone and good light fastness assure plenty of merchandising sparkle at minimum cost. From your standpoint they cost less than toluidine toners and are thoroughly standardized as to shade and tinting strength. Write to the Sales Department at 30 Rockefeller Plaza, New York 20, New York, for further details.

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Pyroxylin Scrap—Sodium Sulphide

Pyroxylin scrap, transparent, colorless, cs., works lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l lb. .17½- —
liq., 35% tannin, bbls., works, lb. .09½- —
tanks, same basis lb. .09 - —
solid, 64% tannin, bgs., c.l., duty extra lb. .13½- —
powd., 70% tannin, bgs., c.l. same basis lb. .18 - —
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis, lb. .1275- —

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs lb. .12 - .13
Quercitron crystals, bbls., l.c.l lb. .33½- —
Extract, liquid, bbls., l.c.l lb. .14½- —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, flask 80.00 -82.00
Quince seed, bgs lb. .95 - 1.75
Quinindine, NF, ¼, cryst., cns oz. 1.30 - —
powd., precip., cns oz. 1.22 Nom.
Sulphate, USP, cns oz. .95 - —
Quinine, NF, cns., 100 zs oz. 1.00 - —
Arsenate, cns., 100 ozs oz. 1.30 - —
Bisulphate, USP, cns., 100 ozs oz. .73 - —
Dihydrobromide, bots., 50 ozs oz. 1.00 Nom.
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Formate, cns., 100 ozs oz. 1.20 Nom.
Hydrobromide, NF, cns., 50-oz. cns oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. oz. .91 - —
Hypophosphite, cns., 100 ozs oz. 1.40 - —
Phosphate, NF, cns., 100 ozs oz. 1.10 - —
Salicylate, NF, cns., 100 ozs oz. .95 - —
Sulphate, USP, cns., 100 ozs oz. .80½- —
Tannate, USP, X, cns., 100 ozs oz. .60 Nom.
Valerate, NF, IV, 100 ozs oz. 1.25 - —
Quinine-urea hydrochloride, NF, cns oz. .97 - —
Quinolin, dms., c.l., works lb. .54½- .55
l.c.l., works lb. .55 - .55½

R

R salt, paste, dry basis, dms. lb. .69 - .70
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.45 - 2.25

Prices 1½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.). (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies, lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 - —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis, lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11½- .11¾
Iron oxide, synth., bgs lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼- .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02¼- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾- .07
Para toner, bbls lb. .85 - .88
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake alizarin, bbls., works lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner, alizarin lake, kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .31½- —
Quicksilver, cfns lb. 2.27 - —
Red Precipitate, NF, powd., fib, dms lb. 2.17 - 2.19
Red saunders wood, grd., bbls lb. .35 - —
Resorcinol, tech., dms., works lb. .68 - —
USP, cryst., dms., works lb. 1.30 - —
powd., dms., works lb. 2.00 - —
Rhatany root, bgs lb. .09 - .10
Rhubarb root, whole, cs. lb. .60 - .70
powd., bbls. lb. .70 - .75
Riboflavin, USP, bots kilo. 125.00 - —
95%, bots kilo. 118.75 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif lb. .79 - —
Rochelle salt, gran., powd., bbls. 5,000 lbs lb. .31½- —
smaller lots lb. .32 - —
Rose flowers, pale, bls lb. .23 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls. lb. .12 - .12½
Portuguese, bls. lb. .07½- .08
Spanish, bls lb. .09 - .09½
Rosin, gum (see Naval Stores, Protective Coatings market),
Wood, B, dms., c.l., works 100 lbs. 5.00 - —
FF, dms., c.l., works 100 lbs. 6.50 - —
G, H, I, dms., c.l., works 100 lbs 7.75 - —
K, dms., c.l., works 100 lbs. 7.75 - —
M, dms., c.l., works 100 lbs. 7.75 - —
N, dms., c.l., works 100 lbs. 7.78 - —
WG, dms., c.l., works 100 lbs. 7.81 - —
WW, dms., c.l., works 100 lbs. 7.96 - —
X, dms., c.l., works 100 lbs. 8.06 - —
Rotenone, cryst., bbls., works lb. 18.00 -20.00
Extract, liq., dms., works, per unit of 1 percent. 2.50 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb, bls lb. .40 - 45
Rutin, 10 kilos gram. .16½- —
5 kilos gram. .17 - —
smaller lots gram. .17½- .21½

S

Sabadilla seed, powd., bbls lb. .40 - .45
activated ground with lime, bbls lb. .28 - .30
Saccharin, gran., soluble, 1,000 lbs. lb. 1.50 —
smaller lots lb. 1.60 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.55 —
smaller lots lb. 1.65 1.85
Safflower, Egyptian, bls. lb. .95 - 1.00
Saffron, Mexican, bls lb. 1.25 - 1.40
Spanish, USP, tins lb. 23.00 -25.00
Safrol, dms lb. .78 - 1.20
Sage, cyprus, bgs lb. .08 - .09
Dalmatian, bls lb. .24 - .24½
Greek, fancy, bls lb. .13½- .14
Spanish, bls lb. .13½- .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .06½- —
Salicin, bots lb. No stocks.
cns. lb. No stocks.
Saligenin, cfns., works lb. 14.00 -25.00
Salol, gran., bbls., kgs lb. 1.00 — 1.02 1.03
fib, dms lb. 1.02 1.03
powdered salol, 10c. higher.
Salt, rock, paper bgs., c.l. 100 lbs. .88 - —
burlap bgs 100 lbs. .93 - —
l.c.l., paper bgs 100 lbs. 1.09 - 1.12
burlap bgs 100 lbs. 1.19 1.22
Table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .98 - 1.08
l.c.l., bgs., dlvd. 100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, works ton. 25.00 -28.00
Chrome (see Chrome cake).
Saltpeter cryst., bbls., 10 tons. 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 -11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 -12.00
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, cryst., powd., cns kilo. 190.00 -200.00
Saponin No. 1, cns lb. 2.45 - —
Sarsaparilla root, dom., bls lb. .40 - .45
Honduras, bls. lb. .43 - .45
Mexican, bls lb. .30 - .32
Sassafras bark, ord., bls lb. .30 - .31
select, bls lb. .60 - .65
Savory, French, bls lb. .20 - .20½
Spanish, bls lb. .14 - .14½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, cns lb. 2.10 - 2.25
powd., cns lb. 2.20 - 2.30
Root, bgs lb. .13 - .14
Schaeffer's salt, bgs lb. .60 - .62
Seidlitz mixture, bbls., 5,000 lbs lb. .27¾- —
smaller lots lb. .28¼- —
kegs, 5,000 lbs lb. .28¼- —
smaller lots lb. .28¾- —
Selenium, powd., cns., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —
Senega root, bls lb. 1.90 - 2.00
Senna leaf, Alex., half-leaf, bls lb. .26 - .27
sifting, bgs lb. .22 - .23
Tinnevelly, No. 1, bls. lb. .13 - .24
No. 2, bls lb. .16 - .19
No. 3, bls. lb. .12 - .14
Pods, bls lb. .14 - .15
powdered, bls., bxs. lb. .16 - .22
Serpentaria root, bls. lb. 2.45 - 2.50
Sesame seed, Brazil, bgs., afloat lb. .16½- .17
Central Amer., natural, bgs. lb. .18½- .19
Chinese, hulled, recleaned lb. .23 - .23½
Nicaragua, hulled lb. .31 - .32
Salvadorean lb. .16 - .16½
Turkish, yellow, recleaned lb. .18½- .19
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .64½- —
bbls., 1,500-lb. lots lb. .65 - —
kgs., 1,500-lb. lots lb. .67 - —
refined, bgs., 1,500-lb. lots lb. .74½- — —
bbls., 1,500-lb. lots lb. .75 - —
kgs., 1,500-lb. lots lb. .77 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .68 - .69
No. 2, bgs lb. .66 - .67
Superfine, bgs., 10 bgs. lb. .63 - .64
TN, bgs., 10 bgs. lb. .60 - 61
Shellac in 1 to 9 bgs., 1c. more
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 10.00 - —
l.c.l., works ton. 15.00 - —
Tetrachloride, tech., dms., c.l., works lb. .15½- —
l.c.l., works lb. .16½- .27
Silver bullion, ingots, cs oz. .71¼- —
Cyanide, fib, dms., 2,500-oz. lots. oz. .66 - —
1,000-oz. lots oz. .66¼- —
500-oz. lots oz. .66½- —
100-oz. lots oz. .66¾- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46⅛- —
1,000-oz. lots oz. .47⅛- —
500-oz. lots oz. .48⅛- —
250-oz. lots oz. .48⅜- —
USP granular silver nitrate, 2c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, bots., dms., 1,000-oz lots. oz. .90 - —
Simarubra bark, bls lb. .85 - .86
Skullcap herb, Eastern, bls lb. .85 - .90
Western, bls. lb. .35 - .40
Skunk cabbage root, bls lb. .35 - .40
Slate flour, bgs., c.l., works ton. 11.00 -12.00
l.c.l., ex whse ton. 20.00 -60.00
Sloe berries, bgs lb. .33 - .40
Smalt, black, cfns lb. .11 - —
Blue, cfns lb. .16 - —
Snakeroot, Canada, bls lb. .50 - .55
Soapbark, bls lb. .19 - .20
crushed, bls., bbls lb. .26 - .27
cut, foreign, bbls lb. .28 - .30
powd., bbls lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.50 —
l.c.l., stock points, zone 1. 100 lbs. 2.85 - —
2 100 lbs. 3.00 - —
3 100 lbs. 3.35 - —
4 100 lbs. 3.95 - —
bbls., c.l., works 100 lbs. 2.00 - —
l.c.l., stock points, zone 1. 100 lbs. 3.35 - —
2 100 lbs. 3.50 - —
3 100 lbs. 3.85 - —
4 100 lbs. 4.45 - —
bulk, c.l., works 100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., stock points, zone 1. 100 lbs. 2.75 - —
2 100 lbs. 2.90 - —
3 100 lbs. 3.25 - —
4 100 lbs. 3.85 - —
bbls., c.l., works 100 lbs. 1.90 - —
l.c.l., stock points, zone 1. 100 lbs. 3.25 - —
2 100 lbs. 3.40 - —
3 100 lbs. 3.75 - —
4 100 lbs. 4.35 - —
bulk, c.l., works 100 lbs. 1.15 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - —
l.c.l., dlvd., zone 1 100 lbs. 5.80 - —
zone 2 100 lbs. 5.95 - —
zone 3 100 lbs. 6.30 - —
zone 4 100 lbs. 6.90 - —
Liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
50% rayon type, tanks, works, dry basis 100 lbs. 2.40 2.50
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., dlvd., zone 1 100 lbs. 4.40 - —
zone 2 100 lbs. 4.55 - —
zone 3 100 lbs. 4.90 - —
zone 4 100 lbs. 5.60 - —

Prices f.o.b. stock points in zones indicated minimum quanity 500 lbs., for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.

Sal, bgs., c.l., ex car 100 lbs. 1.55 - —
l.c.l., bgs., ex whse 100 lbs. 1.75 - —
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.65
Alkylbenzene-sulphate, dms., wks., lb. .13 —
Aluminate, for water treat., bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.40 - —
other uses, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd., E lb. .31 - —
l.c.l., dlvd lb. .32 - —
Arsenate, dealers, dms., c.l., works lb. .12 - —
l.c.l., works lb. — - —
Arsenite, gray, dealers, dms., c.l., works lb. No stocks.
l.c.l, works lb. No stocks.
solution, dms., works gal. .70 - 1.00
Benzoate, tech., bbls., 2 tons lb. .39 - —
smaller lots lb. .40 - .41
USP, dms., 2 tons lb. .46 - —
smaller lots lb. .47 .52
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs. 2.60 - —
Bichromate, bgs., c.l., works lb. .10 - —
l.c.l., works lb. .10⅛- .10¼
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .13½- —
Bisulphate, bulk, c.l., works 100 lbs. 1.50 - —
dms., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.65 - —
Bisulphite, powd., bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .33 - .34
Cacodylate, bots., dms lb. 9.00 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
Chlorate, cryst., dms., c.l., works, lb. .07½- —
l.c.l., works lb. .07¾- .08¼
powd., kgs., works lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works lb. .75 - —
Chromate, bbls., dms., c.l., works, lb. .11⅜- —
l.c.l., works lb. .11¾- .11⅞
Citrate, USP VIII, bbls lb. .21½- —
dms. lb. .22½- .26½
USP XIII, gran., bbls lb. .28 - —
dms. lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —
Cyanide, 96-98%, dms lb. .15 - .15½

Sodium diacetate, 33-35% acidity, bbls., works lb. .11½- .12¼
anhydrous, dms., works lb. .14 - .15
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works lb. .10¾- —
95%, bbls., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Glutamate, monobasic, kgs lb. 1.55 - 1.57
Glycerophosphate, NF, flake, bbls, lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys lb. 1.00 - 1.15
50%, cbys. lb. .82 —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22½- —
l.c.l., frt. alld lb. .23 - .25
Hydroxide, tech. (see Soda, caustic).
USP, sticks, dms lb. .24 .25
Hypophosphite, 50-lb. lots, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 2.90 3.00
l.c.l., same basis 100 lbs. 3.20 —
pea cryst., bgs., metro area, 100 lbs 3.30 —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.72 2.83
Lactate, edible, 50%, dms., c.l., works lb. .18½- —
l.c.l., dms., works lb. .19 - —
tech., 50%, dms., c.l., works lb. .12½- .15
l.c.l., dms., works lb. .13 - .15¼
Mandelate, dms lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton. 90.50 - —
l.c.l., works ton. 103.00 -113.00
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works lb. .16½- —
Metanilate, bgs lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.00 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. 100 lbs. 4.35 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 - 5.00
Molybdate, anhyd., works lb. .51½- .53
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls. lb. .60 - —
Nitrate, crude, dom., bgs., c.l., works ton. 48.50 - —
bulk, c.l., works ton. 43.00 - —
imp., 100-lb. bgs., c.l., All Gulf, Pac. whse ton. 51.50 - —
bulk, c.l., same basis ton. 48.00 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.35 7.10
hydrated, flake, bbls., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09 - .10
Pentachlorophenate, briquets, bgs., works, frt. equald lb. .17 - .19
powd., bgs., c.l., same basis lb. .16 - .16½
l.c.l., same basis lb. .17 - —
kgs., l.c.l., works, frt equald, lb. .19 - —
Perborate, USP, tech., bbls., c.l., works lb. .17¾- —
l.c.l., works lb. .18¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .16 - —
smaller lots, same basis lb. .19 - —
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.20 - —
cryst., bgs., c.l., works, 100 lbs. 3.35 3.50
l.c.l., works 100 lbs. 3.75 3.90
NF, dried, powd., dms., works, lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 12.45 - —
l.c.l., works 100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks.
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —

Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).

Phosphoaluminate, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs lb. .12 - —
bbls. lb. .12¼- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 11.25 -13.00
l.c.l., same basis 100 lbs. 11.75 -13.50
ferric, dms., 10,000 lbs., works, lb. .22 - —
smaller lots works lb. .22½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.50 - 6.65
l.c.l. 100 lbs. 7.00 - 7.15
Ricinoleate, tech., bbls lb. No stocks.
Salicylate, dms lb. .57 - .60
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
l.c.l., bgs., dlvd, zone 1, 100 lbs. 3.45 - —
zone 2 100 lbs. 3.60 - —
zone 3 100 lbs. 3.85 - —
zone 4 100 lbs. 4.25 - —

Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, bbls., c.l., works, 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 5.65
Silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton. 16.00 -17.00
52° turbid., dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.05 - 2.15
tanks, works ton. 32.00 - —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works lb. .05½- .06
Stannate, dms., works, frt. alld. E lb. .58 - .63
Stearate, bbls., works lb. .19 - .24
Sulphate, NF VII, dried powd., bbls lb. .16 - .16½
tech., anhyd., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls lb. .15 - .15½
Sulphide, cryst., bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 3.90 - —
flake, bbls., c.l., works 100 lbs. 4.50 - 4.60
l.c.l., works 100 lbs. 4.75 - 5.15
fused, bbls., c.l., works 100 lbs. 4.00 - 4.50
l.c.l., works 100 lbs. 3.25 - 4.50

Sodium sulphite, anhyd., tech., powd., bbls., c.l., frt. equald..100 lbs. 2.50 - 2.75
crystals, bgs., c.l., works..100 lbs. 3.25 3.75
l.c.l., same basis..100 lbs. 3.35 —
l.c.l., works..100 lbs. 3.75 - —
bbls., c.l., works..100 lbs. 3.40 - —
l.c.l., works..100 lbs. 3.80 - —
powd., bbls., c.l., works..100 lbs. 6.50 - —
l.c.l., works..100 lbs. 7.00 - —
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .33 - .34
lb. .36 - .37
powd., bbls..lb.
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphonilate, bbls., works..lb. .22 - —
Sulphoricinoleate, bbls..lb. .12 - —
Sulphydrate, flake, 70-72%, dms., c.l..lb. .05 - —
liquid, 45%, tanks, works..ton.95.00 - —
Thiocyanate, CP, dms..lb. .55 - .65
tech., dms., works..lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls..lb. .10 - .12
Titanate, etns., c.l., works..lb. .10 - —
3 tons, works..lb. .10¼ - —
1 ton or less, works..lb. .10½ - .13⅛
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. .07½ - —
l.c.l..lb. .07¾ - —
Tungstate, tech., bgs..lb. 1.30 - 1.35
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works..lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms..lb. .22 - .26
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works..lb. .16½ - —
l.c.l., works..lb. .17½ - .20
Sodium-zirconium fluoride, fib. dms., c.l., works..lb. .16½ - —
l.c.l., works..lb. .17½ - .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works..lb. .28 - —
less 1,000 lbs., same basis..lb. .30 - —
Solvent naphtha, coaltar, dms., works..gal. .27 - .30
high-flash, dms., works..gal. .27 - .30
petroleum, 100 F. flash, tanks, Baytown, Tex..gal. .27 - —
150 F, flash, tanks, same basis..gal. .27 - —
Sorbitol, com'l, dms., c.l., works..lb. .25½ - —
l.c.l., works..lb. .26 - —
crystalline, dms., works..lb. .50 - —
dilution, aqueous, dms., c.l., wks., lb. .1355 - —
ton lots, works..lb. .196 - —
Soybean protein, chemically isolated, 40,000 lbs., works..lb. .22 - —
20,000 lbs., works..lb. .22¼ - —
smaller lots, works..lb. .22½ - .26
mechanically refined, bgs., 40,000 lbs., works..lb. .061 - —
20,000 lbs., works..lb. .063 - —
smaller lots, works..lb. .065 - —
Spikenard root, bls..lb. .43 - .45
Spruce extract, liq., reg., tanks, works..lb. .01¾ - —
powd., super, bgs., c.l., works, lb. .05¼ - —
Squaw vine, leaves, bls..lb. .40 - .45
Squill, red, fortified, powd., bbls, boxes..lb. 1.50 - 1.60
White, bls..lb. .08 - .10
powd., bbls., bxs..lb. .14 - .15
St. Ignatius beans, bgs..lb. No stocks.
St. John's bread, edible, bls..lb. .17 - .18
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.41 - —
Chicago..100 lbs. 4.82 - —
l.c.l..100 lbs. 5.56 - —
powd., paper bgs., c.l..100 lbs. 5.52 - —
Chicago..100 lbs. 4.93 - —
l.c.l..100 lbs. 5.67 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l..lb. .06 - —
l.c.l..lb. .07½ - .07¾
Rice, bgs., c.l..lb. No stocks.
Sweetpotato, bgs., c.l..lb. No stocks.
Wheat, bgs..lb. .0631 - .0730
Stavesacre seed, bgs..lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls..lb. .33 - .35
Stoneroot, bls..lb. .07½ - .08
Storax, USP, cs..lb. 1.50 - 1.60
Stramonium leaves, bgs..lb. .20 - .27
Seed, bgs..lb. .20 - .21
Streptomycin, hospitals..gram. 1.58 - 1.60
wholesalers..gram. 1.26 - 1.28
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls..lb. .14 - .16
98%, bbls..lb. .23 - .25
Chloride, tech., bbls..lb. .22 - .24
Chromate, bgs., frt. equald..lb. .43½ - .44
Iodide, jars, 25 lbs..lb. 3.20 - 3.26
Lactate, dms..lb. .130 - 1.35
Nitrate, bbls., c.l., works..lb. .07¾ - —
l.c.l., works..lb. .08¼ - .08¾
Oxalate, bbls., works..lb. .38 - .40
Salicylate, NF, dms..lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works..ton.50.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots..oz.30.00 - 50.00
Strophanthus seed, Kombe, bgs..lb. 2.50 Nom.
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrene, monomer, tanks, works..lb. .15 - —
Styrolyl acetate, bots..lb. 2.50 - 3.10
Sucrose aceto-acetate, denat., bbls., l.c.l., works..lb. .55 - —
tech., bbls., l.c.l., works..lb. .50 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works..lb. 4.25 - —
Sulphabenzamide sodium, dms., works..lb. 4.25 - —
Sulphadiazin, USP, dms., works..lb. 9.00 - —
Sulphadiazin sodium, USP, dms., works..lb.10.50 - —
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works..lb. 9.00 - —
Sulphamerazin, sodium, USP, dms., works..lb.10.50 - —
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamide, Acetyl, dms., works, lb. 4.25 - —
Sulphapyridin, NF, powd., bots., tins, works..lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works..lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulphathiazole sodium, USP, dms., works..lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs..lb. 6.75 - 6.85
Sulphonmethane, NF, kgs..lb. 5.25 - 5.35

Sulphur, com'l, rubbermakers, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works..100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.13.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, comm'l, 90½%, bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., works..100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs..lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.00 - —
l.c.l., works..100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works..100 lbs. 2.80 - —
l.c.l., works..100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works, 100 lbs. 3.25 - —
l.c.l., works..100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
Rock, bgs., c.l., works..100 lbs. 2.40 - —
l.c.l., works..100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works..100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works, 100 lbs. 2.25 - —
l.c.l., bgs., works..100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works, lb. .03¼ - —
l.c.l., works..lb. .04¼ - —
10-gal. dms., c.l., works..lb. .07¼ - —
l.c.l., works..lb. .08¼ - —
Dioxide, liquid, com'l, cyls., wks., lb. .09 - —
multi-unit cars, works..lb. .0635 - —
tanks, works..lb. .045 - .0535
refrigeration, cyls., l.c.l., wks., lb. .16 - —
Iodide, bots., jars..lb. 3.90 - 4.11

Sumac bark, 28%, grd., bgs., ex dock..ton.85.00 - —
Extract, No. 1, bbls..lb. .10½ - —
No. 2, bbls..lb. .09 - —
crystals, bbls..lb. .40 - —
stainless, bbls..lb. .14½ - —
Leaves, 30%, bgs., ex dock..ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a., pulv., bulk, Baltc unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —

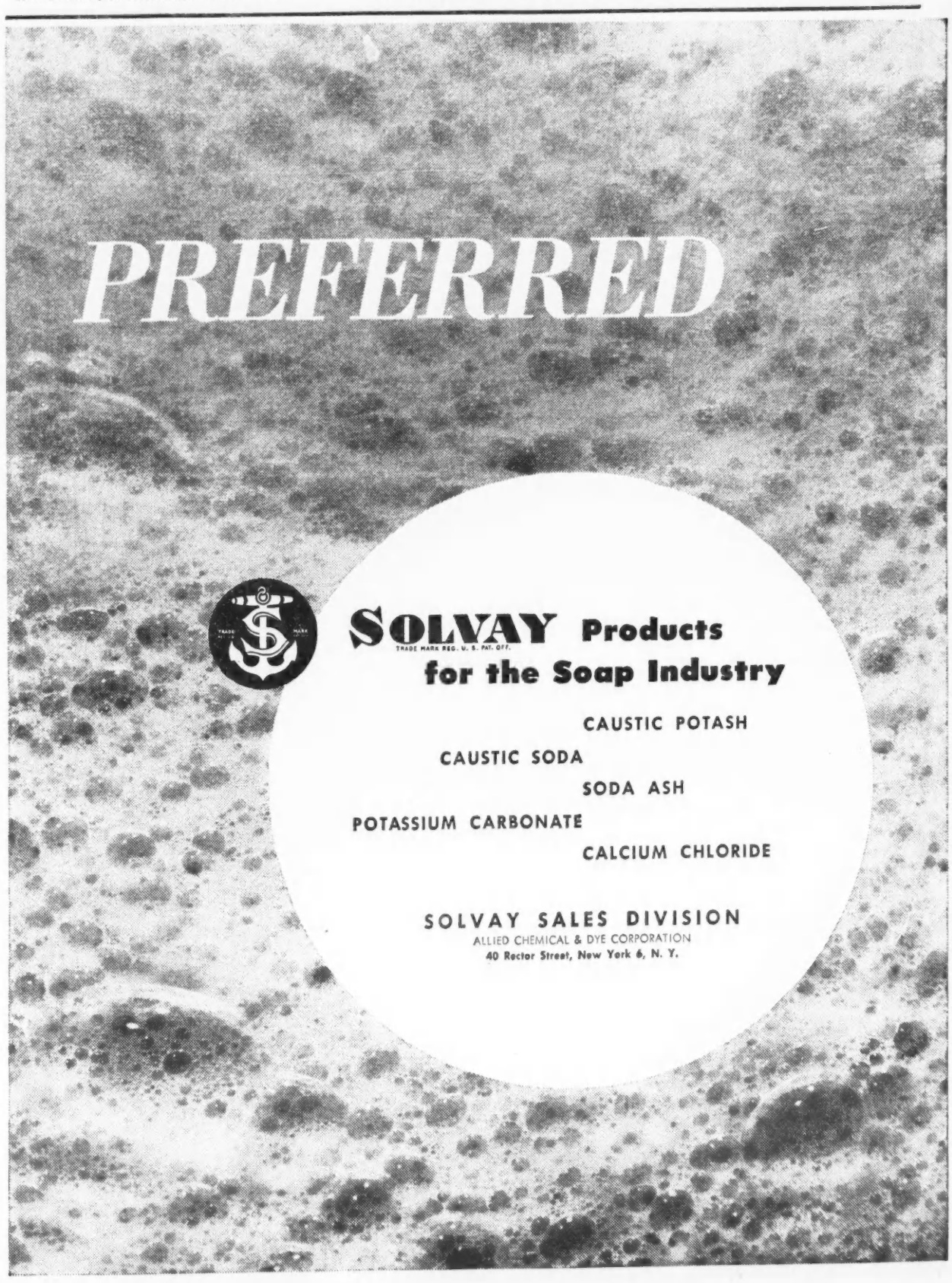
Prices on 48% triple superphosphate in other states and D.C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls..lb. 1.05 1.10

T

Talc, dom., ordinary grd., c.l., New York, works..ton.21.00 - —
l.c.l., works..ton.22.50 -24.50
Calif., bgs., c.l., works..ton.22.00 -30.00
Vermont, bgs., c.l., works..ton.14.00 - —
l.c.l., works..ton.17.50 - —
fibrous, New York, off-color, ground, bgs., c.l., works, ton.24.00 - —
l.c.l..ton.26.50 -28.00
88.95-99.95%, grd., bgs., c.l., works..ton.21.00 - —
l.c.l., works..ton.24.50 - —

Talc, dom., fibrous, N. Y., 98-99.5%, grd., bgs., c.l., works..ton.23.00 -28.00
l.c.l., works..ton.27.00 -32.00
imp., Canada, grd., bgs., c.l..ton.35.00 -45.00
Tallow, inedible, extra, loose..lb. .13¾ - —
fancy, loose..lb. .14 - —
special, loose..lb. .12¾ - —
sulphonated, 25%, dms..lb. .08 - .08½
50% dms..lb. .11 - .11½
Tamarinds, bbls..lb. .13 - 15
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 9.25 - —
Chicago..unit-ton. 9.25 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago..unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk..unit-ton. No stocks.
Tansy leaves, bls..lb. .20 - .30
Tapioca flour, high grade, bgs..lb. .10½ Nom.
medium grades, bgs..lb. .06½ - .07
Java, bgs..lb. No stocks.
Tar acid oil, 15-18%, ret. dms., c.l., works..gal. .53 - —
l.c.l., works..gal. .56 - —
tanks, works..gal. .47 - —
25-28%, dms., c.l., works..gal. .66 - —
l.c.l., works..gal. .69 - —
tanks, works..gal. .60 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs..lb. .40 - .45
Leaves, bgs..lb. .95 - 1.00



Tartar Emetic—Vinyl Trichloride

Tartar emetic, tech., gran., or powd., bbls., kgs. lb. .49 - —
dms. lb. .50 - .54
USP, powd., bbls., dms., kgs. lb. .54 - .57
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
USP, cryst., bbls., dms. lb. .90 - .95
powd., bbls., dms lb. .95 - 1.00
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .43 - .97
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .65 - 1.10
prime, cns., dms lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20 - .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, dms., c.l., works. lb. .80 - —
l.c.l., works lb. .90 - 1.25
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs. lb. 6.00 - 6.25
Theophylline, bots., kgs. lb. 8.00 - 8.50
Thiamine hydrochloride, dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms. lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 5.60
Thiourea, tech., dms., works lb. .40 - —
Thorium nitrate, cs., works lb. 3.50 - —
Thyme, French, bgs. lb. .18½- .19
futures, bgs lb. .14¾- .15
Spanish, bls lb. .09½- .10
Thymol, USP, kgs. lb. 3.65 - 3.75
Iodide, NF, dms lb. 3.55 - 4.25
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .97 - .98
Crystals, hydrous, bgs., bbls., works lb. .71½- —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. lb. .18½- .19
flain, bgs., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. lb. .18½- .19
rutile, natural, granular, bgs., c.l., works lb. .06¼- —
l.c.l., works lb. .06½- —
milled, bgs., c.l., works lb. .06½- —
l.c.l., works lb. .06¾- —
nonchalking, bgs., c.l., dlvd. E. l.c.l. lb. .20 - —
l.c.l., dlvd. E lb. .20½- .21
Titanium hydride, cns., works lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd lb. .07½- —
l.c.l., dlvd lb. .08 - —
Calcium base, bgs., c.l., dlvd lb. .07 - —
l.c.l., dlvd lb. .07½- —
Calcium-rutile base, bgs., c.l., dlvd lb. .07 - —
l.c.l., dlvd lb. .07½- —
Magnesium base, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd lb. No prices.

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.

Tetrachloride, CP, 55-gal. dms. lb. .54½- .55
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns. lb. 3.10 - 3.50
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethelehem, Pa. gal. .24½- —
Birmingham, Ala. gal. .23¼- —
Chicago district gal. .26½- —
Cleveland district gal. .26 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Laekawanna, N. Y. gal. .26 - —
Philadelphia, Pa. gal. .23 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md. gal. .24½- —
St. Louis, Mo. gal. .28 - —
Syracuse, N. Y. gal. .27 - —
Terre Haute, Ind. gal. .28 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich. gal. .27 - —
Youngstown, Ohio gal. .23½- .25
Toluol, coaltar, industrial and nitration, tanks, East, frt. equald. gal. .28 - —

Prices on 2° toluol from petroleum, tanks delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D.C., 30c. (3c.); Detroit, 30c. (1 8.10c.); E. Tenn., 30c. (4½c.); La., 30c. (3½c.); N. C., 30c. (4¼c.); N. E., 30c. (2¼c.); N. J., 30c. (3½c.); N. Y., 30c. (3c.); Pa., 30c. 3c.); S. C., 30c. (5¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.); and W. Va., 30c. (3c.).

Tonga, 50% bark and vine, bls. lb. .80 - .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - .90
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .40½- —
Tributyl citrate, dms lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .09½- —
Trichloroethane, dms., c.l., wks lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10 - .10¾
Zone 2 lb. .10 - .10¾
Zone 3 lb. .10½- .11
Trichloroethylene, tanks, zone 4 lb. .10½- .11
Trichloroethylene dm., c.l., prices ½c. higher l.c.l. 1¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .43 - —
l.c.l., dlvd lb. .43½- —
tanks, dlvd lb. .41½- .42
petroleum, dms., c.l., dlvd lb. .42½- .43
l.c.l., dlvd lb. .43 - .43½
tanks, dlvd lb. .41½- .42
Triethanolamine, dms., c.l., frt. alld. E lb. .22½- —
l.c.l., same basis lb. .23½- —
smaller containers lb. .26½- —
tanks, same basis lb. .21 - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100% lb. .29½- .30¼
25%-40%, dms., c.l., works, basis 100% lb. .29 - —
l.c.l., works, basis 100% lb. .29½- —
tanks, works, basis 100% lb. .25 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .37 - .39
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine, bbls., works lb. .93 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane—d.l., fib. cns., works. kilo.240.00 -265.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bls lb. .36 Nom.
East Indian lb. .17½- .18¼
Madras, bgs. lb. .22½- .23
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .50 - —
Wood dest.-dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .55
N. Y. whse gal. .55 - —
steam-dist., dms. incl., c.l., works gal. .58 - —
l.c.l., ex whse., NYC gal. .64 - —
tanks, works gal. .44 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs. lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. l.c.l., works lb. .04¾- —
lb. .04¼- —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.89.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.98.00 - —
42% N, paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.93.00 - —
40 tons, frt. alld., Colo., Mont., Wyo., and west ton. 102.00 -
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton.100.00 - —
C and D grades, same basis. ton.98.50 - —
Uva ursi leaves, bls. lb. .11 - .13

V

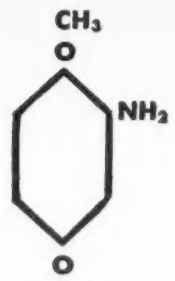
Valerian root, Belgian, NF, bls lb. .35 - .40
Indian, bls. lb. .32 - .34
Valonia beards, bgs., ex dock ton.90.00 Nom.
Cups, bgs., ex dock ton.69.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.20 - —
Vanilla beans, Bourbon, tins lb. 3.25 - 5.50
Mexican, cuts, tins lb. 4.50 - 4.75
whole, tins lb. 5.00 - 6.00
Tahiti, tins lb. 3.00 - 3.25
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.50 - 4.55
smaller lots lb. 4.55 - 4.60
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.25
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17¼
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)

ORGANIC INTERMEDIATES

for dyes, pigments, light-sensitive papers

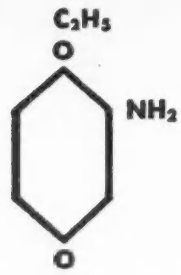
AVAILABLE IN COMMERCIAL QUANTITIES

AMINO HYDROQUINONE DIMETHYL ETHER



MP: 79°—81° C

AMINO HYDROQUINONE DIETHYL ETHER



MP: 85°—87° C

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Viosterol, bots., 100 billion USP units..mill. units. .04 - —
1 billion USP units...mill. units. .05 - —
100 million USP units.mill. units. .07 - —
Vitamins, A concentrate, dms., wks. mill. units. .36 - .40
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see M).
V.M.P. naphtha (see Petroleum naphtna).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls.....lb. 1.90 - 2.00
Tree bark, bls.....lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.83.00 - —
merchantable, bgs., ex dock ton.80.00 - —
extract, liquid, 35% tannin, bbls., works..lb. .08½- —
tanks, works.....lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09¾- .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09¾- .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. .52 - .55
Bees, bleached, USP, white, bricks, cs.....lb. .70 - .73
slabs, bgs.....lb. .68 - .69
crude, African, bgs.....lb. .55 - .57
Western hemisphere, bgs lb. .55 - .57
refined, yellow, bricks, cs....lb. .61 - .63
slabs, bgs.....lb. .60 - .62
Candelilla, crude, bgs.....lb. .68 - .70
refined, bgs.....lb. .72 - .74
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .79 - .89
North Country, No. 2, ton lots lb. .87 - .89
No. 3, bgs., ton lots.....lb. .83 - .85
refined, bgs., ton lots.....lb. .88 - .90
yellow, No. 1, bgs., ton lots..lb. 1.20 Nom.
No. 2.....lb. 1.18 Nom.
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .16 - 16¼
138°-140° m.p., bgs.....lb. .18 - .18¾
138°-162° m.p., bgs.....lb. .22 - .23
Japan, bgs.....lb. .66 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 30 tons yearly contract, group 3, works..lb. .14¾- —
smaller lots, same basis lb. .15 - .16
black, ctns., 30 tons, same basis..lb. .13¾- —
smaller lots, same basis lb. .13½- .14¼
white, ctns., 30 tons same basis..lb. .25½- —
smaller lots, same basis lb. .26 - .27
190°-195° m.p., ASTM, amber, ctns., 30 tons, same basis. lb. .21¼- —
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis lb. .19¾- —
smaller lots, same basis lb. .20 - .21
white, ctns., 30 tons, same basis..lb. .34¼- —
smaller lots, same basis lb. .34½- .35¼
Montan, crude, bgs.....lb. .33 - .33
Ouricury, crude, bgs., ton lots..lb. .75 - .77
refined, bgs., ton lots.....lb. .82 - .84
Ozokerite, fabricated, black, 189-190 m.p., bgs..lb. .36 - .38
182-183 m.p., bgs.....lb. .31 - .33
171-172 m.p., bgs.....lb. .27 - .29
white, 178-183 m.p., bgs....lb. .33½- .34¼
170-172 m.p., bgs.....lb. .28¾- .29¼
yellow, 180-190 m.p., bgs..lb. .48 - .50
182-183 m.p., bgs.....lb. .43 - .45
178-183 m.p., bgs.....lb. .26½- .27¼
170-172 m.p., bgs.....lb. .23¾- .25
Spermacetti, blocks, cs.....lb. .39 - .40
cake, cs.....lb. .40 - .41
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .16 - .20
White precipitate, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons St. Louis, works..ton.11.00 - —
40 tons, N. Y., whse....ton.19.00 - —
smaller lots, St. Louis, works ton.13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l..ton.14.50 -27.50
200 mesh, bgs., c.l..ton. No prices
90% 200 mesh, bgs., c.l..ton No prices.
water-floated, extra gilders, bgs., c.l..ton.14.50 - —
gilders, bgs., c.l.....ton. No prices.
putty grade, bgs., c.l..ton.13.00 - —
surface treated, bgs., c.l., Ohio works..ton.30.00 - —
Paris white, bgs., c.l. .....ton.25.00 -31.00
l.c.l.....ton.25.00 -29.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.22.00 -25.00
Wild cherry bark, thick, natural, bls..lb. No prices.
rossed, bls.....lb. No prices.
thin, natural, bls.....lb. .16 - .17
rossed, bls.....lb. .23 - .24
Wild indigo root, bls.....lb. .30 - .31
Wild yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .14 - .15
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
60 mesh, bulk, c.l., same basis, l.c.l., same basis.....ton.40.00 - —
80-100 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
Woodflour in bgs. extra, returnable. ton.40.00 -45.00
Woolfat (see Lanolin).
Wormseed, American, bgs.....lb. .13 - .16
Levant, bgs.....lb. 4.15 - 4.25
Wormwood, bls.....lb. .40 - .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald..lb. .21¾- —
l.c.l., same basis.....lb. .22¼- —
tanks, same basis.....lb. .21 - —
45°, dms., l.c.l., frt. equald.....lb. .24 - —
fractions, ret. dms., c.l., same basis..gal. 1.66 - —
l.c.l., same basis.....gal. 1.69 - —
tanks, same basis.....gal. 1.60 - —
Xylidins, mixed, dms.....lb. .42¼- —
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa.....gal. .26 - —
Birmingham, Ala.....gal. .23¼- —
Chicago district.....gal. .26½- —
Cleveland district.....gal. .26 - —
Dangerfield, Tex.....gal. .27 - —
Hamilton, Ohio.....gal. .23 - —
Johnstown, Pa.....gal. .24 - —
Lackawanna, N. Y.....gal. .24 - —
Pittsburgh district.....gal. .23 - —
Sparrows Point, Md.....gal. .26 - —
St. Louis, Mo.....gal. .28 - —
Syracuse, N. Y.....gal. .27 - —
Terre Haute, Ind.....gal. .28 - —
Woodward, Ala.....gal. .25 - —
Wyandotte, Mich.....gal. .27 - —
Youngstown, Ohio.....gal. .23½- .25
East, frt. equald.....gal. .28 - —
Prices on 3 to 10° xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D. C., 30c. (3c.); Detroit, 30c. (1.8-10c.); E. Tenn., 30c. (4½c.); La., 30c. (3¾c.); N. C., 30c. (4½c.); N. E., 30c. (2¼c.); N. J., 30c.; N. Y., 30c. (3c.); Pa., 30c. (3c.); S. C., 30c. (5¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (3c.).

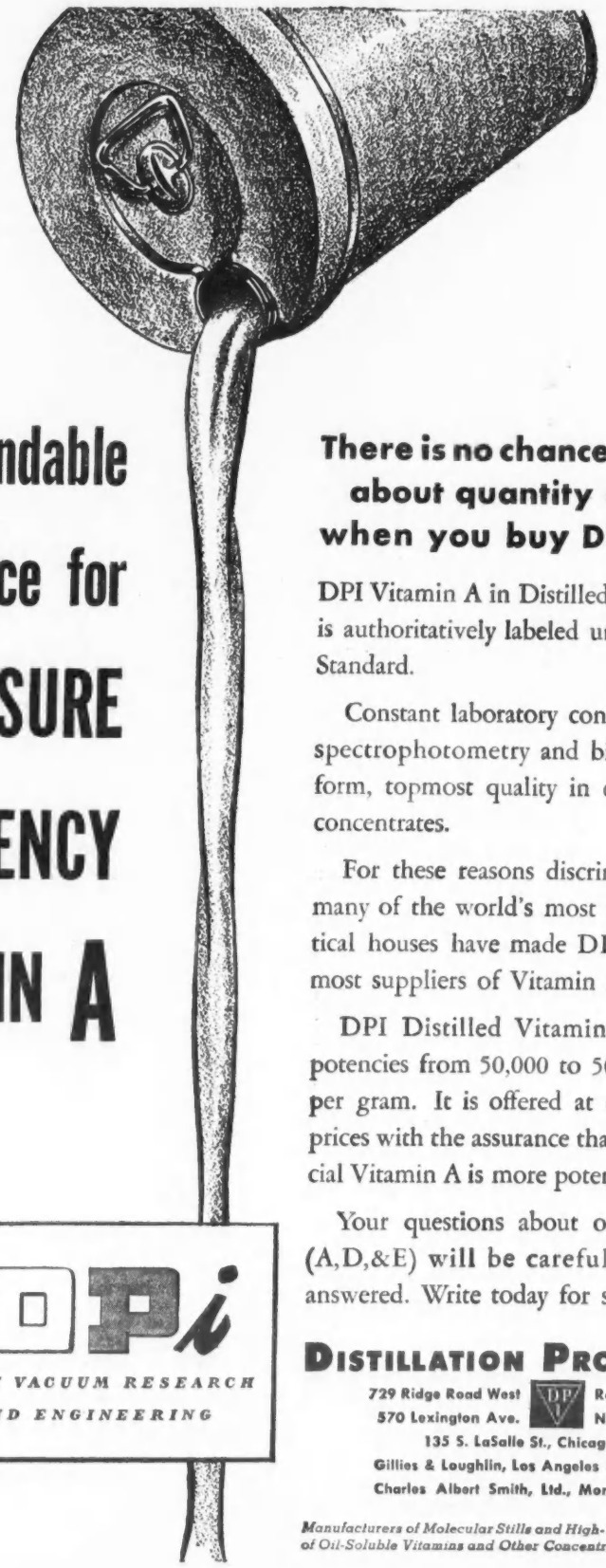
Y

Yara yara, cns.....lb. 2.10 - 2.45
Yeast brewer's dry, 50 B units, per gram, dms..lb. .33 - —
90 B units, per gram, dms lb. .45 - —
200 B units, per gram, dms lb. .50 - —
300 B units, per gram, dms lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.40 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies....lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .31½- —
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis...lb. 1.90 - 2.10
Iron oxide natural, bgs., c.l., works lb. .01¾- .02¾
l.c.l., works.....lb. .01¾- .03¾
Yellow, ironoxide, French type, bgs., c.l..lb. .04½- —
l.c.l.....lb. .04¾- —
Peruvian type, bgs., c.l...lb. .0185- .0210
synth. bgs., c.l. works....lb. .09 - —
l.c.l. works.....lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots.....lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼- .02¾
Zinc, bbls. same basis as chrome lb. .23 - —
Yellow dock root, bls.....lb. .25 - .27
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. .35 - .36
Yohimbine hydrochloride vis....oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works.....lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dms...lb. .36½- .37
NF, dms.....lb. .38 - .39
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. No stocks.
l.c.l., same basis.....lb. No stocks.
Borate, bgs., c.l., ship't pt., frt. alld., E..lb. .17 - —
frt. alld. Pac Coast...lb. .19 - —
l.c.l., ship't pt., frt. alld. E..lb. .17½- —
frt. alld. Pac Coast....lb. .20½- —

—Continued on page 64



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Volume 154 November 29, 1948 Number 22

Misbranding by Pamphlet

The Supreme Court of the United States has approved the administrative interpretation of the food, drug, and cosmetic act that false or misleading statements in sales-promoting literature distributed in interstate commerce constitute misbranding within the meaning of the law. The supreme bench was divided quite closely in so ruling. The division, however, was not in principle but only on the phraseology of the statute, the dissenting justices opining that the principle of public protection should be upheld by congressional emendment of the statute, rather than by judicial extension of its terms.

The court's decision rested almost wholly on the interpretation of the word, "accompanying." In the opinion of the majority, this was held to have a broad meaning, and not to be limited to actual physical association. The point at issue was whether so-called "literature," descriptive and promotive of drug, food, cosmetic, or device, came within the purview of the act when its entrance into and passage through interstate commerce was separate in packing and in time from the shipment of the article with which it had to do.

There can be no question of the justice of the opinion that any claim or description respecting an article to which the law applies, unless specifically excepted as advertising, is a part of interstate commerce in the article. The legality of the opinion is open to some question if regarded wholly from the standpoint of statutory phraseology. If regarded from the standpoint of legislative intent, it is a sound extension of the judicial trend to interpret such laws with full regard for their purpose of safeguarding the public.

To Combat Inflation

President Truman has named the chairman of his Economic Advisory Council to construct and direct an anti-inflation program of governmental activity. The appointee has stated his purpose to have the secretaries of Agriculture, Commerce, Interior, Labor, and Treasury, the chairman of the Federal Reserve Board, and the heads of other governmental agencies collaborate in the preparation of a program in line with policies of the President and his party's platform. Business, seemingly, is to have no part in what is in large part a business problem.

The Vice-President-elect has declared that businessmen should "accept their share of the responsibility for the high cost of living" because it may involve inflation that would be the forerunner of a depression. He offers no program. Wisely he has said that he did not "allocate to industry or to industrial profits the entire responsibility for the mounting cost of living." But, he has not said where the responsibility divides or how. It most emphatically behooves business to find out.

Neither government nor business alone can mitigate the inflation now existing or prevent its development beyond the bounds of economic stability. They must work together, and each must know and accept its responsibility for existing conditions and its duty in their improving. That is not going to be a simple thing for either to do. Business may be expected to go much forther than government toward what is required of it. Whether it goes far enough will depend on two things:—(1) Government also must accept its share of the responsibility and do its part to better things; and (2) business must realize that the public's concept of profits is one of concrete sums, not one of relative values.

Government cannot continue to spend money which business must furnish and expect business to create the necessary funds out of good intentions. Only government can make money by fiat. Business must earn it by means of work. If business is to be asked to earn less money, government must spend less—and it must take the first step. Government spending is doing more than almost anything else to swell the gross profits of business as a whole. One possible exception is government's furtherance of continuous increasing of the costs of labor. Avaricious adherence to the profit motive, of course, has its part in the creation and maintenance of a high cost of living. But, greed could not long exist if government should quit helping to feed it.

Danger signals of inflation are becoming more and more discernible. Another round of wage increases and the consequent boosting of agricultural price parity, and the storm will break with much fury. No governmental director of an anti-inflation program, with the assistance of every member of the President's cabinet and every other head of a government agency, including the President, will be able to prevent that break or to temper its effects. Business will have to help. It must now insist that it be given full opportunity to do so.

Savings Bonds Are in Season

Businessmen, as public leaders, and also within the areas of their particular activities can contribute substantially to the lessening of some of the temptations toward inflation by participating earnestly in the campaign now in progress to procure new customers for United States savings bonds. This activity, especially in the way of a payroll savings plan, also helps management itself and eases its problems of personnel relationships. One of the country's first-rank industrialists recently put it this way:—

I have come to regard this payroll savings plan, by which working men and women in all economic levels may provide for their own future through systematic purchase of U. S. savings bonds, as the finest tool with which to cement the best kind of employee-employer relations in the shops, plants, and factories of America.

The savings bond campaign has two more weeks to run. That is time enough for every businessman to sell its "save-don't-spend" idea to his employee personnel and throughout his community.

Home Rule Triumphs

The OPD "Oscar" for tactfully flexed employment relations goes to a New York chemical manufacturer. This company serves a full tom-turkey-and-traditional-fixin's dinner to its entire working personnel on the Tuesday preceding Thanksgiving Day.

It gets the "Oscar" because it formerly spread the dinner on the Wednesday before Thanksgiving. The change was responsive to home-front repercussions.

The hand that rules the kitchen rocks industry.

Washington Talks It Over

—*Continued from page 5*

neers, the American Society for Horticultural Science, the Farm Equipment Institute, the National Canners Association, and the National Fertilizer Association.

Arrangements for copies of the revised booklet can be made with the National Fertilizer Association, 616 Investment building, Washington 5, by which it will be published.

Grease Exports a Problem

The government is going to try to work out some kind of an arrangement concerning the licensing of fats and oils exports, that will meet the criticisms which have been voiced by renderers that export quotas have been set so low for tallows and greases that accumulating stocks are depressing prices. It is not certain just how the situation will be handled, but it is thought probable that a pricing criterion will be the governing factor.

The trouble for the government stems from the fact that there are no specific standards for inedible tallow and grease. They are sold on the basis of color, hardness, and free fatty acid content. The accumulating supplies have been felt primarily in the prices of the low grades. How to break down the quotas among high, low, and intervening grades when there are no specific standards is what is worrying the government personnel.

Officials insist that they are not holding down export quotas for the sake of control, but they don't think that, because stocks are increasing, the lifting of controls per se is automatically called for. They recognize that there is a problem developing and hope to be able to work out some satisfactory solution.

Margarin Tax Repeal Expected

The margarin manufacturers are pretty well convinced that victory is in sight in their fight for repeal of Federal taxes on oleomargarin. The Democratic victory in the presidential and congressional elections has greatly improved the chances of repeal legislation in the next Congress.

The factors seen in their favor are these:—(1) The new chairman of the house agricultural committee where the repeal legislation must be considered first will be Representative Harold Cooley of North Carolina who voted for repeal last year; (2) in the senate, the new chairman of the finance committee, which will handle the bill, will be Senator Walter George of Georgia, an ardent repeal advocate last year.

The political platform of the Democratic Party contains a plank for repeal of the taxes, and most if not all of the new Democrats elected last November will be favorable to repeal. The only factor the manufacturers can see that may lead to trouble is the threat of a filibuster from the dairy states in the senate. That may be settled at the outset of the session if the senate amends its rules to limit debate, as some of the leaders hope it will do.

Soybean Breeding Studied

Although state and Federal cropbreeders are responsible for originating many of the varieties of soybeans now favored by growers, the race is wide open to commercial breeders and to farmers who have the skill—or the luck—to produce a new variety. The Soybean Variety Committee will welcome worthy entries for testing in the uniform nursery trials, in which a new variety has an opportunity to prove its merits.

The Soybean Variety Committee is composed of two representatives of the Department of Agriculture, one representative of the state experiment stations, and two representatives of the American Seed Trade Association. Its function is to advise the administrators of the Federal seed act with respect to names and characteristics of soybean varieties.

The uniform soybean nursery trials are designed primarily for comparison plantings in typical soybean-growing areas under supervision of the Bureau of Plant Industry, Soils, and Agricultural Engineering, cooperating with state and private seed specialists. The tests seek to identify the best of the soybean seed available for planting and to foster further improvement of soybean varieties for general and for special purposes.

Steel Industry Faces About

The steel industry is changing its position on the subject of voluntary allocation agreements under public law 395. Some of the industry's leading members are making definite overtures to Washington that maybe they acted too hastily several months ago in rejecting some of the agreements proposed and that, with just a little urging, they may be made to change their minds on these proposals.

The conciliatory attitude now prevailing can be traced almost directly to Mr. Truman's surprise victory at the polls. Up until that time, there was never any evidence of any great desire upon the part of the industry to enter into agreements under the law. It is true, that it yielded to government proddings for agreements on such matters as atomic energy steel needs, and a few other highly essential programs, but it shied away from all others. A program on steel for the petroleum industry is a notable example of one that the steel industry refused.

With Mr. Truman's election, however, the industry is viewing these agreements in a different light. A meeting was held just this week to go over the matter of steel for the petroleum industry again, and it now looks as though an agreement will be adopted. Apparently the industry fears that, in the absence of voluntary agreements, Mr. Truman will recommend government allocation. There is the possibility that the industry's new attitude comes just a little too late.

Mosquitoes Killed in the Snow

Sprinkling DDT on snow and ice is a newly discovered way of killing the first mosquitoes and other insect pests that hatch in the Spring, entomologists of the Department of Agriculture report. As little as a tenth of a pound to the acre does the trick, and airplane distribution of DDT over broad areas makes for economy in the cost of treatment.

The entomologists made the new discovery in the use of DDT while continuing their wartime research for protection of military forces in Alaska from the teeming hordes of insects that are a torturesome feature of the short Arctic Summer. Cooperating with the army in Alaska and with Canadian scientists, they found that DDT proved somewhat more effective than several other of the new insecticides for the purposes intended. They said that both wettable powders and emulsions applied at the rate of one-tenth pound of DDT to the acre destroyed all larvae when the ice melted several weeks later. There was no sign of injury to fish in the streams fed by the melting.

The entomologists also report that DDT applications to snow in mosquito-breeding areas in Oregon and Washington gave results comparable with the experiments in Canada and Alaska. From one pound to three pounds to the acre applied in the Fall prevented larvae from developing the following Spring, and water in the area continued deadly to mosquitoes during the Summer.

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Iodine
Potassium Iodide
Sodium Iodide
Ammonium Iodide

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Calomel (Mild Mercurous Chloride U.S.P.)
Corrosive Sublimate (Mercury Bichloride N.F.)
Yellow Mercuric Oxide
Red Mercuric Oxide
Red Mercuric Iodide
Yellow Mercurous Iodide
Ammoniated Mercury

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Bismuth Subgallate
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Chlorides	0.020%
Assay	99.0%
Insolubles	trace

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Heavy Chemicals

Market trend was upward last week, the index number advancing to a new high at 235.4, compared with 233.5 in the preceding week, 224.8 a month ago and 202.3 for the corresponding week in 1947. Increased producing costs were primarily responsible for the upward price revisions in barium fluoride, calcium carbide, lead arsenate and zinc flouride. Increased transportation rates and higher prices for containers were also contributing factors to the upward price movements. An advance in quicksilver was attributed to the maritime strike and a reduction of available stocks. Demand has also increased with business more active than at any time in recent months. Silver bullion was lower under freer offerings.

It is expected that prices of zinc chloride and zinc sulphate will be revised shortly to cover the recent increase in the metal. Nickel sulphate remained firm with demand from platers not as active at the close as at the beginning of the month. Chlorine in tankcars was in short supply with demand active. Soda ash supply has shown improvement and both liquid and solid caustic soda have been in better supply than in the preceding month. Carbon tetrachloride has been definitely short throughout the month of October with stocks mostly in the hands of distributors. There were no excess stocks of muriatic or nitric acids available at the close of the month.

Production levels of industrially important inorganic chemicals in the United States were generally about the same for the month of September as for August and varied only slightly from levels reported for September 1947, according to the Bureau of the Census. Increases from August 1948 were recorded for 19 of the 35 chemicals included in the Bureau's monthly survey while decreases were noted in 16. Increased production was noted in 21 chemicals in September 1948 over the same month in 1947. The greatest number of increases in September occurred for the chemicals not included in the "heavy volume" group. Of this latter group, small production gains were reported for synthetic anhydrous ammonia, ammonium nitrate, muriatic, nitric and phosphoric acids. However, declines were noted in the production of calcium carbide, carbon dioxide, chlorine, soda ash, caustic soda and sulphuric acid.

Paper production based on a percentage of six-day capacity was 100.8 percent for the week ending November 20, according to the American Pulp and Paper Association. This compared with 99.6 in the preceding week and 111.9 for the corresponding week in 1947.

Production figures appearing below unless otherwise designated are from the Bureau of the Census, Department of Commerce.

Ammonia, Anhydrous—Production of synthetic gained slightly in September. The total was 86,062 tons, compared with 85,556 tons in the preceding month and 88,120 tons in September, 1947. No easement in the demand for this chemical. Rapid absorption of output has kept the market in a tight supply condition.

Barium Fluoride—Priced higher at 2¼c. per pound at the works. The upward revision is the result of mounting producing costs and increased transportation rates.

Calcium Carbide—Priced higher with a range from $114 to $147 per ton depending upon quantity and container f.o.b. works, with domestic production heavily sold ahead. September output registered 55,164 tons of commercial, compared with 57,443 in August and 47,177 tons in September last year.

Calcium Chloride—Still in tighter supply than any of the other heavy chemicals. Shipments have remained substantially behind contract schedules with no present indication that requirements will be leveled off this year or in the early part of next.

Calcium Phosphate—Monobasic production in September totaled 6,886,000 pounds, compared with 6,643,000 pounds in the preceding month and 5,335,000 pounds in September a year ago. Output of dibasic in September amounted to 6,651,000 pounds, against 6,650,000 pounds in August and 6,572,000 pounds in September, 1947.

Market Trends

Prices Advanced

Barium fluoride, 7c. per lb.
Calcium carbide, $7 per ton.
Lead arsenate, 1½c. per lb.
Quicksilver, $4 per flask
Zinc fluoride, 5c. per lb.

Prices Reduced

Silver bullion, 2½c. per ounce.

Comparative Price Indexes

(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
235.4	233.5	224.8	202.3

Acids

Last week	Prev. week	Last month	Last year
123.3	123.3	123.3	119.5

(For Current Prices see Page 9)

Carbon Dioxide—September production of liquid and gas totaled 24,393,000 pounds, against 26,996,000 pounds in August and 25,063,000 pounds in September, 1947. Solid, dry ice, revealed the usual seasonal shrinkage of output in September, the total declining to 76,965,000 pounds from 93,888,000 pounds in August. Production in September a year ago was 77,347,000 pounds.

Carbon Tetrachloride—No easement in buying conditions could be noted during the past month. Heavy demand has temporarily overtaxed production and available stocks have remained definitely short and in the hands of distributors. Higher prices will become effective January 1.

Chlorine—Available stocks were short at the close of the month with demand active for tankcars. While some easement in inquiry may develop during December, there are some producers who believe any easement will be temporary and they look for a tight market over most of 1949 in the northern area. Production of chlorine gas in September amounted to 136,382 tons, compared with 146,412 in August and 124,178 in September a year ago.

Copper Sulphate—Market position firm under the strong position of the metal and a steady demand for industrial use. There are two large export inquiries in the market, one from France and the other from Italy. It is stated that British producers are competing sharply for this business. It looks now as though most of the copper scrap available in Italy has been consumed and producers have experienced difficulty in securing the metal from the United States. Domestic production has been cutback at some supply sources in order to keep inventories down. Exports in August totaled 10,519,000 pounds, a gain of 20 percent over July and high for any month so far in 1948. Shipments were destined to Latin-American countries with the exception of 1,322,000 pounds to Korea and 254,000 pounds to the Union of South Africa.

Fluorspar—Production for the first nine months of this year is placed at 249,875 tons by the Bureau of Mines. Total production last year was 343,700 tons. Stocks on September 30 were 171,000 tons including 130,952 tons in consumers' plants and 40,048 tons at domestic mines.

Glauber's Salt—Stocks not excessive but meeting requirements on a fairly prompt basis. September production totaled 14,345 tons, compared with 14,680 tons in August and 15,524 tons in September 1947.

Nickel Formate — October production ran slightly behind demand for this chemical although no serious shortage developed. Demand has continued steady and mostly for use as a catalyst in the fats and oils industries. Nickel chloride shipments were also slightly behind schedule at the close of the month.

Nickel Sulphate—Stocks remained short with demand active during the past month. While some spot material was available in the midwest, stocks locally were short. Production in most instances has been sold ahead on contract with one of the major suppliers behind on shipments. Demand from platers remained active during most of the month with some relaxation at the close. It was stated that an inquiry for 300,000 pounds for domestic consumption is in the market.

Potash, Caustic—Supply conditions have shown improvement during the past month. Steady production has made considerable progress in leveling off requirements and at the close, the market presented a satisfactory degree of balance.

Potassium Carbonate—Aside from oc-

For Late Market Developments, See Page 4

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casional shortages of the calcined grade, the market has been kept in a fair state of balance throughout the past month. The improvement has been partly due to the easing of demand from the manufacturers of high grade glassware where the shortage of lead has cut back production.

Potassium Chlorate — Consuming demand, while not increasing, was of steady dimensions over the past month. The match factories have taken this material in satisfactory seasonal dimensions. Shipments within 30 days were available at the close of the month.

Potassium Perchlorate — Domestic production is heavily under contract over the balance of this year. Persistant buying for fusee use has kept the market supply position definitely tight for prompt shipment.

Salt Cake—Stocks have continued available for prompt shipment with easement in demand from the paper mills. Production was higher in September with a total of 57,581 tons of commercial. August production registered 52,613 tons and in September 1947 output amounted to 49,890 tons.

Soda Ash—Production is meeting current demand. Some shipments are slightly behind schedule but the market was about on even beam at the close of the month. September production of light ash amounted to 167,340 tons, against 206,857 tons in August and 173,460 tons in September 1947. Output of dense ash was 132,133 tons in September, compared with 127,094 in August and 128,957 in September last year. Production of natural registered 24,712 tons in September against 28,5571 in the preceding month and 25,303 in September 1947. Exports of soda ash during August were over 28,000 tons, the highest since the end of the war.

Soda, Caustic—While the market situation is not as favorable as soda ash, supply conditions have shown improvement during the past month. Stocks of liquid in tankcars were freer than the dry forms. Some producers were in better shape to ship flaked and solid than others. Demand continued steady with the short shipped list practically leveled off. Production of liquid by the electrolytic process in September amounted to 133,986 tons, compared with 138,424 tons in the preceding month and 118,501 tons in September last year. Output of solid by this process was 29,206 tons in September, against 29,993 in August and 22,861 in September, 1947. Production of liquid by the lime-soda process in September was 62,177 tons, compared with 64,850 tons in August and 58,511 tons in September last year. Output of solid by this process was 22,187 tons, against 22,858 in the preceding month and 19,480 in September, 1947. Exports of caustic soda in August and 13,310 in September last year, with 14,000 tons in July.

Sodium Bicarbonate—Stocks adequate to meet all domestic requirements. Export shipments continued tied up as a result of the maritime strike. September production amounted to 13,376 tons of refined, compared with 13,933 tons in August and 13,310 in Septetmber last year.

Sodium Chlorate—Shipments confined mostly to industrial channels during the past month with production more in balance with demand. Market position firm with prompt shipments available (30 days) at current prices.

Sodium Phosphate—Production of monobasic in September amounted to 1,005 tons, compared with 1,009 tons in the preceding month and 1,189 tons in September, 1947. Output of dibasic in September was 8,282 tons, against 8,011 tons in August and 7,721 tons in September last year.

Zinc Fluoride—Market has been advanced to 40c. per pound in barrels at the works. The recent advance in the price of the metal was the primary reason for the upward revision of the fluoride.

Zinc Sulphate—Market situation strong with prices expected to reflect the advance in the metal shortly. So far, only one producer has announced a higher price range. It is expected the rayon mills will be in the market within the next 30 days and that demand for agriculture will increase in January and February.

Acids

Chromic—An advance of 1½c. per pound in sodium bichromate has contributed strength to the acid market. Current production has continued insufficient to meet requirements and the shortage of stocks

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has kept the market position definitely tight.

Hydrofluoric—Higher production was registered in September. The total amounted to 6,754,000 pounds, compared with 6,000,000 in August and 4,518,000 in September last year, these figures include both anhydrous and technical grades. Consumption of fluorspar in the manufacture of acid during the first nine months of this year amounted to 78,754 tons.

Muriatic—Maintenance of heavy industrial demand has prevented any easement in the markets supply condition. Production gained slightly in September at 37,580 tons. The August total amounted to 35,782 tons and in September, 1947, output registered 33,541 tons. Export shipments held up by maritime strike.

Oxalic—No appreciable improvement in the supply situation could be noted during the month of October. Production is running considerably below demand and producers have channeled short shipments to contract consumers.

Sulphuric—Not in as tight supply as muriatic and nitric acids. It was stated that tankcar shipments are short at present with acid in other containers about flush with demand. September gross production is placed at 866,168 tons, including 210,239 tons by the chamber process and 655,929 tons by the contact process. The August gross was 901,994 tons and 856,783 in September, 1947. Export shipments temporarily dormant on account of maritime strike.

Non-Ferrous Metals

Copper—According to statistics compiled by the Copper Institute, consumption of copper during the month of October amounted to 126,700 tons. This compares with 126,236 tons used by fabricators in September. Additional orders placed by makers of copper materials amounted to 104,947 tons in October an increase of 7,864 tons over September's bookings of 97,083 tons. Unfilled orders on hand at the end of the month totaled 295,658 tons, compared with 317,411 tons at the end of September, a drop of 21,753 tons. Unfilled orders on October 31st amounted to 295,658 tons. This represents a decrease of 21,753 tons—the smallest figure to be recorded since April of this year when the backlog totaled 294,307 tons.

Copper metal has developed an exceedingly strong tendency and appears to be assuming a position similar to lead. The scrap market which is taken as a barometer for the course of the metal is now selling about on a parity with the metal. Sales of number one scrap have been made at prices ranging from 23c. to 23½c. per pound with an occasional sale at 24c. Number one scrap used to sell at a discount of 1c. below the metal but lately the spread has widened to 2c. This would indicate a 25½c. per pound level for the metal. The continued strike at one of the largest producing plants has seriously tightened the supply for industry. Aside from this, a sizable amount of imported material is aboard steamers that cannot land on account of the maritime strike. This has made it difficult for New Jersey refiners to operate because it is stated they use mostly imported material, and in addition the government's stockpiling program is expected to become operative on January 1. The supply outlook at present is unfavorable with demand from the wire mills and other consuming industries steadily increasing.

Lead—Market firm at late advance with available stocks definitely short and some suppliers expecting no permanent easement before 1950. September shipments of lead and lead-base alloy die castings amounted to 1,420,000 pounds, an increase of 27% over the 1,120,000 pounds shipped in the preceding month, according to the Bureau of the Census. Shipments by captive foundries for their own use accounted for 64% of the month's activity. Total shipments in the first nine months of this year amounted to 10,927,000 pounds, compared with 10,231,000 pounds in the comparable period of 1947. The backlog of orders at the close of September for commercial castings represented a little more than one month's shipments at the current rate of activity.

Quicksilver—Priced higher at $80 per flask for large lots and $82 for small quantities. Buying interest has increased sharply. With practically all domestic producers shut down and with the maritime strike holding up replenishment of stocks, the market condition has strengthened appreciably. Consumers realizing the change in the situation have endeavored to build up inventories.

San Francisco—Supplies are exceedingly low. The market is very tight. Prices have been increased. Metal was quoted between $83 and $84 per flask, f.o.b. this city.

Silver—Mine production of silver in September showed a total of 3,091,620 ounces, a decline from the 3,188,484 ounces produced in the preceding month, according to the Bureau of Mines. September output brought the total for the first nine months of the current year to 28,469,141 ounces, compared with 25,424,696 ounces in the corresponding period last year.

Market trend during the past week was downward. The official closing price for silver bullion in New York was 71¼c. per ounce.

Silver Bullion Price Range

	Per ounce	
	New York	London
High ..	Oct. 6, 1948—77⅛c.	Oct. 4, 1948—47d.
Low ..	Nov. 26, 1948—71⅛c.	Aug. 13, 1948—44d.

Zinc—Export quota has been announced by the Department of Commerce for the fourth quarter. The quota for zinc slabs, pigs and blocks has been reduced 75 percent to 500 tons. This reduction reflects both increased domestic demand and lower requirements by importing nations. The current market showed no departure from its firm tight condition during the past week.

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Automotive Antifreezes Discussed by NBS

Practical information on the essential properties and proper use of automotive antifreezes and cooling systems is given in a new booklet, Automotive Antifreezes, just issued by the National Bureau of Standards. Included are the results of years of extensive tests at the bureau as well as a summation of the work of other investigators. In addition to simulated and actual service tests of antifreezes, basic investigations of the physical and chemical properties of antifreeze compounds and of materials currently used in cooling systems were made. Answers are given to many practical questions. Pertinent physical properties and service performance of the major categories of antifreezes are also given.

NBS circular 474, Automotive Antifreezes, is available from the Superintendent of Documents, Government Printing Office, Washington 25, at a cost of 15 cents a copy.

Nitrogenates Export

—*Continued from page 3*

be placed and certified by October 31 and for the remaining 25 percent by not later than November 30.

Department officials explained that the extension of time now being granted during which foreign countries might place their certified export orders was necessary to meet the international obligations of the United States, as accepted by this country. Several nations entitled to substantial shipments of United States fertilizer were unable to place their orders within the time limits previously set, they said, and without a time extension serious deficiencies in the export program would have developed.

During the second half of last year's export program, that is, from January 1 to June 30, 1948, more than 30,000 tons of nitrogen for fertilizer purposes were shipped abroad by commercial producers. During the first six months of 1949, perhaps half that amount will be shipped under the export program by civilian producers, according to the department. Officials pointed out, however, that the tonnage of army-produced anhydrous ammonia to be channeled into fertilizer materials for domestic use during the same period will far exceed the total amount to be withdrawn from commercial sources.

Ethylene Oxide Freight

—*Continued from page 4*

Company was entitled to reparations amounting to $762 from the Pennsylvania Railroad for an overcharge on the movement of six carloads of phthalic acid coke from Cincinnati, Ohio, to Lyndhurst, N. J., between January 8, 1945, and January 17, 1945.

The railroad made a charge of 53 cents per 100 pounds on the material, on the grounds that it should take the same rate that is applicable to shipments of phthalic anhydride in barrels, boxes or bags. Hilton-Davis Chemical Company contended that the material should be properly classified as "coke, n.o.i.b.n." and charged a rate of 25 cents per 100 pounds.

In ruling on the complaint, the commission found that the proper rate should be 36 cents per 100 pounds as the rate properly applicable under the intermediate rule. This is the rate contained in Agent & Curlett's Tariff, ICC Number A-800, and published for application from Devon, Maurice and Spring Lake, Ky., located near Cincinnati, and intermediate to Lyndhurst.

Joins Neuberg Company

William H. Boyce, former sales manager for the Susquehanna Chemical Corporation, has joined the sales staff of the William D. Neuberg Company, New York. He will handle sales of Susquehanna products for the Neuberg organization.

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Heads Industrial Chemists

Prof. Joseph C. Elgin, chairman of the department of chemical engineering at Princeton University, has been elected chairman of the division of industrial and engineering chemistry of the American Chemical Society. Dr. Lincoln T. Work, director of research of the Metal & Thermit Corporation, has been chosen chairman-elect, and Dr. William A. Pardee, Gulf Research & Development Corporation, was reelected secretary-treasurer.

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Enjay Names Peterson Chicago District Head

The Enjay Company, New York, chemical marketing affiliate of the Esso Standard Oil Company, has appointed W. H. Peterson manager of its Chicago office. He has been sales representative for the company's rubber and plastics products since joining the organization in 1943.

Fluorspar Data: July-Sept.

Production, shipments from mines, general imports and consumption of fluorspar all were higher in the third quarter of 1948 than in the second quarter, the Bureau of Mines reported recently. Salient statistics of finished fluorspar in the third quarter, compared with the second quarter, were reported as follows:—

	Short tons	
	July-Sept.	Apr.-June
Production	95.552	81.982
Shipments from mines*	95.683	83.327
General imports	32.708	24.553
Consumption	102.324	97.324
Stocks at quarter end	171.090	143.083

* Comprise shipments to domestic and foreign consumers and to government stockpile.

Consumption of fluorspar, both domestic and foreign, by industries in the United States in July-Sept., as compared with Apr.-June, was reported as follows:—

	Short tons	
	July-Sept.	Apr.-June
Steel	56.834	53.466
Hydrofluoric acid	27.951	25.766
Glass	9.636	10.097
Enamel	2.141	2.317
All others	5.762	5.589
Total	102.324	97.235

Hercules Issues Detergent Data

The industrial chemicals department of Hercules Powder Company, Wilmington, Del., has published a laundry manual on the use of its "Renex" soap replacement. The publication describes and gives specifications of the two forms in which the product is supplied, and contains formulas and complete directions for its use.

Fergusson Issues Catalog

The Alex C. Fergusson Company, chemical manufacturer, Philadelphia, has published a new catalog covering its entire line of products. The publication is broken down into product groups, each group designated by a distinctive color, and a chart in the front of the book shows the type of industrial customer for whom each is made.

German Chemical Production

Production of all major chemicals in bizonal Germany increased in July. Some comparisons of outputs in that and the preceding month are as follows:—

	Metric tons	
	July	June
Calcium carbide	34.800	30.600
Caustic soda	14.400	11.000
Chlorine	9.500	7.400
Nitrogen (N content)	14.300	13.000
Soda ash	26.200	24.600
Sulphuric acid	51.500	48.000

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Mississippi Chemical Gets Former TVA Engineer

The Mississippi Chemical Corporation, Jackson, Miss., has appointed H. Leroy Thompson as general operations manager. Mr. Thompson, a chemical engineering graduate of Alabama Polytechnic Institute, was formerly associated with the division of chemical engineering, Tennessee Valley Authority, as staff chemical engineering consultant and as a project leader in process development. He was associated with a number of TVA developments and is author of several technical publications.

The Mississippi Chemical Corporation is a proprietary corporation organized and owned by the farmers of Mississippi. Its immediate purpose is to construct and operate plants that will provide an indigenous supply of nitrogen fertilizers for the State, although it is planned eventually to produce other agricultural chemicals and related by-products. Mr. Thompson will be responsible for the technical development of the project during construction and operation. His affiliation follows several months of closely related work in the organization of the Finklea Chemical Company, Leland, Miss., whose interests were acquired by Mississippi Chemical.

Plant Fungi Checked By Upjohn Antibiotic

Prevention and cure within forty-eight hours of powdery mildew on plants are being reported from preliminary experiments with Actidione, a new antibiotic discovered in the laboratories of the Upjohn Company, pharmaceutical manufacturer, Kalamazoo, Mich. This fungicidal agent was discovered by Dr. Alma Whiffen in inoculated streptomycin medium in a search for an antibiotic effective against fungi responsible for human diseases.

Dr. Whiffen, with Dr. Ford and Dr. Leach, of the Upjohn staff, developed production of the new substance, but their expectations in the area of fungi affecting humans were not borne out. Somewhat unexpectedly they did find, however, that the substance was antagonistic to mildew, mold, rust, smut, scale, and wilt on plants. Tests were continued at the department of horticulture, Michigan State College, and spraying with Actidone, every week as one per million, was found to control powdery mildew on bean, rose, and tomato plants.

Pilot-plant production of Actidione is in operation at the Upjohn streptomycin plant.

Du Pont Opens San Francisco Agricultural Chemicals Office

E. I. du Pont de Nemours & Co., Wilmington, Del., has opened an office in San Francisco, which will be headquarters for the Pacific Coast agricultural chemicals sales organization of its Grasselli chemicals department. The office, located at 111 Sutter street, is under the direction of C. E. Graves, district manager of agricultural chemicals sales in California, Oregon, Washington, Arizona, Nevada, Idaho and Utah.

The company has also opened a branch office for agricultural chemicals sales at Yakima, Wash., with Cosby C. James as branch manager. Mr. James has been technical service representative at Sacramento, Calif., since 1946. The former Pacific Coast headquarters for agricultural chemicals sales in Tacoma, Wash., has been closed.

Pennsylvania Salt Furnishing More Benzene Hexachloride

The Pennsylvania Salt Manufacturing Company, Philadelphia, is making more of its high gamma content benzene hexachloride insecticide. Known as Penco "Hi-Gam" W-25, the product is a wettable powder containing 25 percent of the substantially pure gamma isomer of benzene hexachloride as its active ingredient.

Although designed for use in water suspension sprays, the company states that the product may also be used as a base for the formulation of finished insecticide dust, and recommends it for the control of many insects which attack fruit trees and for control of aphids and leaf miners on spinach.

Phosphat G.m.b.H. Debt Vested

The Office of Alien Property has vested a debt of $50.77, with accruals since December 31, 1945, which is owing Phosphat G.m.b.H., Hamburg, Germany, by the Dunnellen Phosphate Mining Company, Savannah, Ga.

Honorary Farmer

Clifton A. Woodrum, president of the American Plant Food Council, has been awarded an "Honorary American Farmer Degree," in recognition of his "outstanding service in the field of agriculture through the plant food industry and in furtherance of the programs of the Future Farmers of America."

Trade Briefs

Bones exported from Argentina during the first four months of 1948 totaled 13,176 metric tons.

Phosphatic fertilizers originating in France will be granted free entry into Chile under the terms of a trade agreement recently signed by the two countries.

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Agricultural Chemicals

Another advance in the price of lead arsenate was recorded last week establishing a new high for this material. Aside from the late advance in lead, mounting prices for containers, labor and transportation have contributed to the upward revision of the insecticide. Menhaden fish meal and scrap were priced higher at North Carolina supply points. Tankage prices were also advanced here and in Chicago. Limited offerings and persistant buying for feed use were the propelling influences responsible for the upward movement. Higher prices for cyanamid will become affective today. Potash is moving steadily into regular contract channels with adequate boxcar facilities. It looks as though there will be no serious shortage of transportation this year. Stocks of superphosphate are meeting an increased demand without difficulty.

Sales of fertilizer tax tags during October were equivalent to 528,000 short tons. Such sales, which are based on reports to the National Fertilizer Association from state control officials in the 14 states requiring fertilizer tax tags, were nine percent above the 485,000 tons reported for a year ago, but three percent below the 544,000 tons indicated for October, 1946. Sales during October fell nine percent from the preceding month, while sales last October were 12 percent greater than for September, 1947.

Total production of superphosphate during September at 180 plants in the United States amounted to 802,000 equivalent short tons, basis 18 percent a.p.a., according to reports submitted to NFA and a summary of reports submitted to the Bureau of the Census. Production during the month was the second lowest reported for the year, the lowest being for July, and was two percent below the 822,000 tons produced a year ago. Compared with the 1,042,000 tons registered for March, when superphosphate production reached its all-time high, production during September was 23 percent lower.

Domestic production figures appearing below are from the Bureau of the Census.

Nitrogenates

Ammonium Nitrate—Shortage of available stocks has kept buying conditions exceedingly tight. Both domestic and Canadian production are heavily under contract. Output of original solution in September totaled 79,942 tons, compared with 79,223 tons in August and 83,041 tons in September 1947.

Ammonium Sulphate—in supply quarters it was stated that prodction of coke-oven sulphate for the fertilizer season is under contract with suppliers not in a position to consider new business at the present time. Output of synthetic technical in September amounted to 28,516,000 pounds, against 14,245,000 pounds in the preceding month and 32,722,000 pounds in September a year ago.

Bone Meal—No material was offered for prompt shipment owing to the sold-ahead condition of output at the present time. It was stated that inquiry from the feed trade was active, with sales prohibited by the shortage of stocks.

Cyanamid—Higher prices are effective today. The fertilizer mixing grade, on contract, 20.6 percent N, granular, bulk, is priced at $2.85 per unit ton, and the pulverized 21 percent N, in bags, is $2.75 per unit ton, Niagara Falls, Ontario. The grade for direct application is priced at $64.75 per ton, works, minimum 20.6 percent N guaranteed.

Dried Blood—No significant change was uncovered in this market last week. Chicago named $9 per unit of ammonia and New York $9.25. Stocks remained limited with trading moderate.

Fish Meal—While short stocks kept the Baltimore market quiet, sales were reported from North Carolina producing points at $135 per ton for menhaden meal 60 percent and $140 for 65 percent. Sales of scrap were reported at $125 to $128. The feed trade were buyers. California sardine meal was also higher at $143 f.o.b. Los Angeles.

Sodium Nitrate—Importations have been prevented landing by the maritime strike on the eastern and western seaboards. No easement in demand which held well above the limit of available stocks.

Tankage—Priced higher at $9.25 per unit of ammonia here and in Chicago. Buying from the feed trade has continued the chief supporting influence to the market.

Market Trends

Prices Advanced

Fish meal, menhaden, North Carolina points, 60 percent protein, $8 per ton.
65 percent protein, $10 per ton.
scrap, menhaden, North Carolina points, $10 per ton.
Lead arsenate, 1½c. per lb.
Tankage, 50c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	72.5

(For Current Prices see Page 9)

Fertilizer Tag Sales: October

	Equivalent tons		
	October		Oct.-Jan.
	1948	1947	1948
Virginia	39,602	46,766	583,729
North Carolina	122,135	97,115	1,323,230
South Carolina	65,010	75,200	780,470
Georgia	60,096	23,042	1,052,649
Florida	60,206	97,736	571,175
Alabama	27,880	10,800	861,797
Tennessee	26,656	8,027	379,924
Arkansas	13,883	6,411	212,795
Texas	36,161	30,703	413,837
Oklahoma	3,250	6,000	116,986
Total South	454,879	403,800	6,296,592
Indiana	21,100	43,635	682,400
Kentucky	17,307	28,675	454,335
Missouri	33,734	5,575	388,883
Kansas	1,325	3,040	107,678
Total Midwest	73,466	80,925	1,633,296
Grand total	528,345	484,725	7,929,888

Phosphates

Phosphate Rock—Market conditions have continued to make for improvement during the month of October. According to trade reports efforts have been made to gear production to demand. The market appeared to be in balance with prices steady at the close of the month.

Superphosphate—Production of normal 18 percent in September was placed at 685,636 tons, compared with 730,012 tons in August and 741,797 tons in September 1947. Stocks on September 30 this year were 1,213,040 tons, against 1,236,542 tons on August 31 and 681,687 tons on September 30, 1947. Output of concentrated 45 percent in September amounted to 44,924 tons, against 42,094 in the preceding month and 29,911 tons in September a year ago. Stocks on September 30 were 73,405 tons compared with 69,635 on August 31 in 1947. Production of wet-base goods 18 percent was 3,980 tons in September, compared with 4,643 in August and 5,873 tons in September 1947. Stocks on September 30 were 10,090 tons against 8,291 tons on August 31 and 14,516 tons on September 30 last year.

Potashes

Maintenance of steady shipments from works has kept the movement in most instances up to schedule. The fact that no serious shortage of boxcars has developed to date, has given the impression that disturbances from this source will not materialize this season. There are plenty of inquiries for additional quantities which cannot be filled at this time.

Potassium salts and chemicals will be exported from the Soviet Zone of Germany to Poland under a supplementary agreement recently concluded covering the delivery of additional commodities in 1948.

Pesticides

Lead arsenate prices have again been advanced establishing the market at 31½c. per pound for drums or bags in carlots and at 32½c. in less. One pound bags in carlots are priced at 39½c. and at 40c. in less, all prices f.o.b. the works. Aside from the late advance in the market for lead, transportation, labor and container price increases have contributed to the upward revision of the insecticide. According to reports current in the trade, there is a possibility that lead will be allocated as a result of the critical shortage. It is understood that a move will be made to secure enough metal to cover insecticide requirements.

Sulphur and Pyrites

Consuming demand continued active with no indication of any permanent easement from this condition. Stocks are meeting demand promptly and transportation has been adequate to handle this movement. No new developments featured the pyrites market.

For Late Market Developments, See Page 4

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Textile and Leather Chemicals

Activity in the textile and leather chemicals market was centered in the demand for potato starch, which resulted in a fractional advance in quotations. Purchases of good volume by textile mills last week, materially reduced available supplies at plants in Maine and lifted selling pressure. Valonia was the other product which was advanced for shipment from Turkey, owing to this season's short crop. The price index rose to 366.5, compared with 368.9 a month ago and 387.1, at this time last year.

The increased demand for potato starch was not noticeable in competing starches. Consumers continued to restrict purchases of corn dextrin and starch, sago flour and tapioca flour to limited quantities for prompt needs. Prices of these materials were unchanged and generally steady.

There was no improvement from the slow inquiry for tanning material replacements. Tanners were practically out of the market and, owing to heavy inventories and restricted tanning operations, there is little liklihood of improvement in the demand before the turn of the year, according to trade opinion. The sharp advance of prices for valonia shipments, because of the short crop in Turkey attracted little attention, but may eventually result in the increase use of substitutes. Mangrove bark commanded a good inquiry for shipment but trading was inactive because of the lack of offers from Africa and resale material from India.

Shoe production in 1948 will reach 465,000,000 pairs, according to a recent estimate of the Tanners Council. The figure was based on ten months production and allows for the usual let down in November and December. The council pointed out that the output both this year and in 1947 was ahead of shoe sales.

Cotton ginned totaled 11,663,229 bales from this year's crop prior to November 14, according to the Census Bureau. This total compared with 9,265,460 bales ginned to same date last year, and 6,532,829 bales two years ago. Increased ginning this year reflected the sharp increase in the size of the current crop. The ginning included 2,311 bales of American-Egyptian, against 700 bales last year and 1,537 bales in 1946.

Chemicals

Acetic Anhydride—Steady demand continued to take the bulk of the output against former orders. Supply situation was unchanged and tight. Quotations were maintained at current levels.

Bichromates—This market was firm at the recently announced advance of ½c. per pound for potassium and sodium bichromate and sodium chromate for immediate delivery and 1949 contracts. New schedule follows: Potassium, bichromate, 12¾c. per pound, bags, carlots, works and lesser lots at 12⅞c. to 13c.; sodium bichromate, 10c. per pound, bags, carlots, works and 10⅛c. to 10¼c. for smaller lots and sodium, chromate, 11⅝c. per pound, barrels, drums, carlots, works and 11¾c. to 11⅞c. for lesser quantities. Production of sodium bichromate and chromate totaled 8,200 short tons in September, compared with 7,783 tons, in August and 7,350 tons during September last year, according to the Bureau of Mines.

Sodium Acetate—Market was without change. Demand continued active for prompt delivery, and was on a par with the output. Prices were well held.

Sodium Hydrosulphite—Trading was reported moderate, chiefly for prompt needs. Consumers held good sized inventories, which were purchased before the recent boost in quotations.

Sulphonated Oils—Inquiry was fair, with purchases confined to small quantities for immediate delivery. Tallow market was steady. Castor oil was unchanged. Quotations for sulphonated grades were without change and ruled steady.

Dyestuffs

Annatto—Business was spotty, chiefly for immediate needs. Light stocks on spot were held at former levels.

Cochineal—Occasional sales of small lots were reported at prevailing quotations. High cost for replacements has curtailed the use of this material.

Madder—Limited quantities on spot were held at unchanged prices. Demand was inactive.

Market Trends

Prices Advanced

Potato starch, ¼c. per lb.
Valonia beards, shipment, $10 per ton.
cups, $12 per ton.
extract, powder, 3½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
366.5	366.0	368.9	387.1

(For Current Prices see Page 9)

Sizing Materials

Blood Albumin—Market was steady under a good consuming inquiry. Deliveries against contracts were in good demand and surplus material was light. Quotations for albumin and dried soluble blood were maintained at former levels.

Corn Dextrin—Outside of a fair demand for prompt requirements, the market was dull and featureless. All grades were unchanged and quotations were generally steady.

Corn Starch—Activity in this market was confined to delivery against former orders. New business was light and reported chiefly for immediate requirements. Prices were maintained at current levels. Visible corn supply was increased 7,557,000 bushels to 23,465,000 bushels for the week ended November 20, compared with 9,174,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

Egg Albumen—Market remained steady and limited quantities for prompt delivery were firmly held at former quotations. Edible flake was maintained at $2.65 to $2.75 per pound, according to seller and quantity. The technical grade also was in light supply and trading was restricted to small quantities for immediate delivery. Prices ranged from $1.48 to $1.55 per pound, as to quantity and seller. PMA reported purchases of dried edible whole eggs for export totaling 111,100 pounds at prices ranging from 85c. to 87c. per pound, f.o.b. works, during October 7-28. Also the purchase of 4,090 pounds of inedible frozen eggs at 25c. per pound, f.o.b. plants, October 21.

Egg Yolk—Smaller supplies on the spot were firmly held at the recent advance. Increased demand of late and uncertainty of obtaining replacements from China have strengthened this market. Quotations were maintained at 96c. to $1.02 per pound, depending upon seller and quantity.

Potato Starch—Improved demand sharply reduced available supplies and strengthened this market last week. Textile trade purchased sizable quantities for prompt at forward delivery at 5¾c. per pound, carlots, New York. This created a firmer tone and quotations were increased ¼c. to 6c. for carlots. Idaho starch was held at 6¼c. carlots, New York basis, and was still out of line with the Maine product. Supplies on spot were unchanged at 7½c. per pound, exwarehouse, less carlots.

Sago Flour—Consuming inquiry continued inactive. Light stocks on the spot were quoted nominally at 8½c. per pound, exwarehouse. Recent arrivals at New York were not unloaded from steamers owing to the maritime strike.

Tapioca Flour—Business was reported light and confined to prompt requirements. Market was unchanged and fairly steady. Low and medium grades were in adequate supply, while high quality was scarce and practically unobtainable. High grade was nominal at 10c. to 10½c. per pound. Mediums ranged from 8c. to 9½c. per pound, as to quality and low at 6¼c.

Tanning Materials

Chestnut Extract—While demand was light, chiefly for immediate needs, the higher cost of replacements of valonia powder extract from Turkey, may result in tanners substituting chestnut extract. Replacements of the former were advanced about 3c. per pound, to 14½c. per pound, exdock, plus duty because of the failure of the valonia crop in Turkey.

Mangrove Bark—Scarcity of bark for shipment from producing points in Africa and resale lots from India continued to affect business. Consuming inquiry was fairly active for shipment. Recent sales of resale lots were reported up to $72 per ton, exdock, and the market was merely nominal at this figure. Exportable sizes of bark were unavailable for shipment from Africa. Arrivals of 1,200 bags of

For Late Market Developments, See Page 8

Southern Research Head

William M. Murray jr., has been named director of the Southern Research Institute, Birmingham, Ala. He joined the institute in 1945 and served as assistant director and as acting director before his current assignment.

mangrove extract were noted at New York from Singapore last week.

Myrobalans—Consuming inquiry for replacements continued inactive, and liberal offers for shipment attracted no interest from tanners. Quotations were unchanged and more or less nominal.

Quebracho Extract—Business was slow as tanners showed little inclination to place contracts for forward requirements at prevailing quotations. The bulk of recent sales were restricted to small lots for prompt shipment. Recent sales of 3,000 tons of Paraguayan extract at 2c. per pound below the prevailing prices, did not result in additional offers at the lower level and sellers continued to name fixed quotations for shipment.

Valonia—Prices for replacements of valonia were sharply advanced by producers, owing to the short crop in Turkey. Reports indicated that the crop this season was practically a failure. Cups for shipment were boosted to $69 per ton, exdock, beards to $90 per ton and powdered extract to 14½c. per pound plus duty. These quotations were merely nominal in view of the lack of buying interest. According to the trade the higher cost of replacements would no doubt result in users turning to cheaper substitutes.

Wattle—Consuming inquiry continued slow. Offers for shipment of bark and extract were available at former quotations which were maintained at primary centers. Imports of extract totaled 5,400 bags at New York last week for delivery against previous orders.

Martin Dennis Names Cort Assistant to Its President

The Martin Dennis Company, chromium chemicals manufacturer, Newark, N. J., subsidiary of the Diamond Alkali Company, has appointed John S. Cort, jr., assistant to the president. He succeeds Charles E. Grant, who has been appointed manager of chromium chemical sales of the Diamond Alkali Company at its Cleveland headquarters.

Mr. Cort joined the Martin Dennis organization in 1947 after serving since 1944 as a process engineer of the Diakel Corporation, Cleveland. He had previously been associated with the Houdry Process Corporation, Garco Products, Inc., and the Pennsylvania Salt Manufacturing Company.

N.Y. Textile Chemists Discuss New Processes

The New York section of the American Association of Textile Chemists and Colorists elected two new councilors at a meeting held November 19 at Kohler's Swiss Chalet, Rochelle Park, N. J. The technical program of the meeting featured a sound motion picture on pigmented emulsions for textile printing, presented by the Interchemical Corporation with introductory remarks by Henry L. Young, vice president of Interchemical's textile color division; and a talk by J. R. Price, divisional manager of the Bakelite Corporation and head of its consumer products division, on the many pitfalls the plastics industry faced in establishing vinylite sheeting and film in the textile field.

One of the new councilors elected for a three year term beginning January 1 was Dr. Herman E. Hager, technical manager of the General Dyestuff Corporation, and the other was Herman E. Wilde, head of the textile division of Merck & Co.

Tanners Council Urges

—Continued from page 7

raw material freely in the world market at prices which United States tanners cannot afford to touch, and declared that "as long as the condition persists, it means continuing pressure for high costs in world raw material markets, and therefore creates a dangerous prospect for American consumers, as well as imperiling the possible success and ideals for our foreign aid program."

"We can only suggest, in our anxiety to see the goals of foreign policy attained, that the administration of economic aid to Europe be given the most constant and closest scrutiny in order to avoid the drastic repercussions which have been making themselves apparent to tanners. A huge undertaking has been initiated efficiently and with full recognition of the need for economic facts and figures. That must continue to be the case and, with respect to hides and skins, it may well be necessary to secure more comprehensive facts on conditions abroad to prevent the misuse of aid.

"It is possible, in my opinion, to accomplish desired programs abroad and yet avoid the squeeze of cost upon producers of leather and shoes in the United States, a squeeze which must react upon the final consumers in this country. The administrative agencies of our government recognize the danger and, I am certain, will welcome whatever facts, suggestions and support can be made to secure the positive results for which we stand in principle and conviction."

Vitatex Products Corporation, New York, has acquired exclusive rights to a new fluid that is said to be capable of removing shine from fabrics. The new product is to be marketed under the trade name "Killshine."

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Calcium Peroxide 60%	CaO_2
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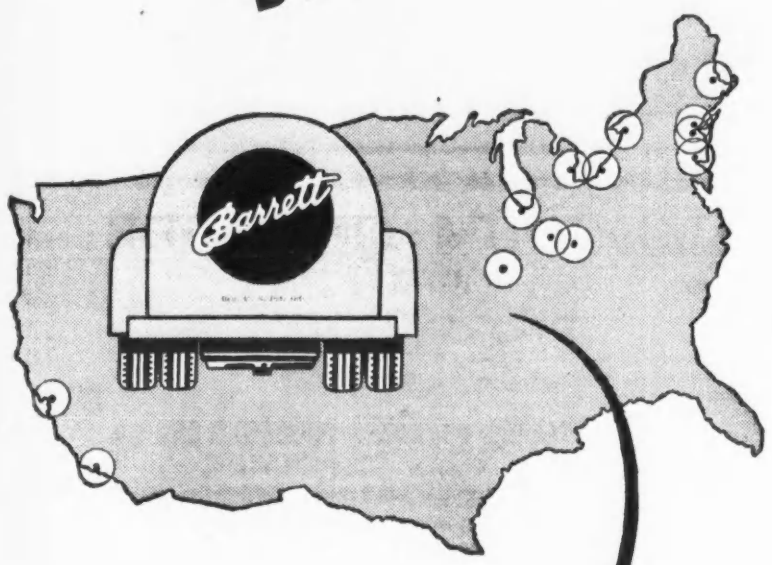

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Coaltar Chemicals

The market for coaltar chemicals remained steady during the past week. Prices held at previous levels and the weekly market index figure was unchanged at 156.9.

Some quarters had reported recently that demand seemed to be showing some signs of falling off, but most of the industry was inclined to discount this. One seller last week explained that, particularly among the intermediates, there now was a slight seasonal decline. It was pointed out, however, that this seasonal drop was a normal thing, but was the first one noticed in five or six years and therefore was probably coming in for more attention than it actually warranted.

Most sellers felt that there was no real slack in buying, but that their customers were becoming more inventory conscious. This was the season when most businesses were beginning to take inventory, and as a result many of them were said to be only buying on a hand to mouth basis because they did not want to have large stocks on hand at the end of the year.

Demand, where it was now showing a tendency towards falling off, was expected to go on the upswing again after the first of the year. It was also indicated that at that time there might be further changes in price schedules.

There were no particular changes noted in the supply position of most materials. A number of the basic products were still none too free as to availability, but here and there it was pointed out that there were some signs of easings. Imported materials had, of course, been affected by the dock strike, but that was seen as having no long range effect on the market. Goods that could not be unloaded while the strike was in progress could be sent to consignees as soon as the strike was over, and while this might cause some pinches, they would be only temporary in nature.

Steel production during the week was up 0.2 point, although it was still a shade under the recently established all-time high of 99.4 percent of capacity. The American Iron and Steel Institute reported that operations in the plants having 94 percent of the capacity of the industry was 99.2 percent of capacity during the period under review.

Last week's production was equivalent to 1,788,100 tons of steel ingots and castings, as compared to 1,784,500 tons during the previous week. Last week's figure compared to 1,685,200 tons one year ago and to 1,281,210 tons for the average week in 1940, the highest pre-war year.

Basic Products

Benzol—There were no basic changes reported in the market for this material during the past week. Demand for the item continued to be felt at a strong rate and producers were of the opinion that this condition would prevail for some time to come. Stocks were not at particularly high levels, although as a general rule, buyers of the material were able to obtain enough of it to accommodate their immediate wants. The price structure remained at previous levels and there were no indications that any immediate changes in it were being planned. How long prices would hold, however, was another question. There was some talk in trade circles to the effect that there might be some changes made about the first of the year. There was nothing definite to be learned on this, however. One source explained that it did not anticipate any price revisions for the balance of this year unless there should be increases in such basic production costs as labor or transportation.

Coaltar—As far as price was concerned, this material was holding its own last week. There were no revisions reported in current schedules and there were no indications from sellers that any changes were being planned for the immediate future. Stocks of the item were not at particularly high levels, although in general buyers were pretty well able to obtain enough of the material to cover their immediate wants. Buyers of the product in tankcar lots were reportedly not doing so well as the buyers in carload and less carload quantities. There seemed to be an easier picture as far as carload and less carload amounts was concerned, but it was sometimes difficult for those who wanted the material in tanks to obtain it.

Creosote—Supplies of this product continued to be at a high point during the past week, and there were all indications that they would stay that way for some time to come. Domestic production was still at high levels and importation of the product was continuing at the previously noted strong rate. The dock strike was seen as having nothing but a passing effect on the supply situation, for a temporary tie-up in arrivals was bound to straighten itself out and goods waiting to be unloaded would be on the market adding to the general supplies already in the hands of sellers.

Demand for the material was at reasonably good levels, but not sufficient to take all of the material that was being offered. Some sellers reported that they were carrying large stocks of the material on hand and were hoping for an increase in demand, but there was one seller who had reported that it was able to sell as much of the material as it was producing. That particular seller was in a good position as far as the market was concerned, it was said, for others reported that they were not able to sell their product so readily. Strikes in the timber country and earlier bad weather there had caused some difficulties in getting the timber out of the woods and in drying it, and those were seen as some of the reasons why the demand was not so strong as sellers hoped it would be. Handlers of the material, however, expressed the opinion that there was nothing seriously wrong with the market and were expecting a pick-up in demand, possibly after the first of the new year. Prices for the material last week held at their previous levels, and although some sellers had recently come down in price to establish a low side of the range, there were others who were still holding to the high side and who said that they intended to continue doing so.

Cresol—The imported material was reported to be in a better position as to supply than was the domestic material. There had over a period of several months been good arrivals of the product from abroad, with the result that stocks on hand in this country were in an improved position. The domestic material was still not freely available, and the demand for it was continuing at a fairly strong rate. Pricewise, the market for the material was without feature. Prices held at their former levels, and there were no indications from producers that there were any changes in prospect for the immediate future at least.

Cresylic Acid—The imported material was easy as to supply last week, as it had been for some time past. Arrivals from abroad had boosted stocks on this market and most users seemed to have taken on all the material that they would need for the present. There was not a great deal of interest being shown in ordering additional supplies and in some cases it was said that importers were holding stocks of the material waiting for the demand for it to pick up.

Domestic cresylic acid was not so free as the imported. There had, from time to time, been some reports that the supply of the domestic was easing up a bit, but when examined against the demand it was seen that there was no abundance

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
156.9	156.9	156.4	138.9

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended November 20 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,264,596
Ammonia sulphate	lbs.	32,746,388
Benzol	gals.	4,126,577
Coaltar	gals.	15,308,271
Creosote oil	gals.	851,938
Naphthalene, crude	lbs.	2,023,354
Phenol	lbs.	239,607
Toluol	gals.	825,315
Xylol	gals.	186,361

For Late Market Developments, See Page 4

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regularly produced in quantity

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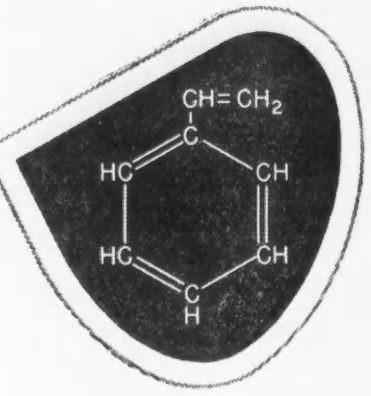

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Styrene Monomer is used by producers of specialty copolymers, plastics, ion exchange resins, polyester laminating and casting resins, and for chemical synthesis.

The price of Koppers Styrene Monomer is astonishingly low for a synthetic organic chemical of this purity. Its chemical reactivity combined with low price suggests careful examination of Koppers Styrene Monomer for use as a chemical intermediate. Send for more information and a free sample.

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Chemical Division • Pittsburgh 19, Pa.

of it on the market. Demand for the material was strong and it was said that in every case it could not be satisfied immediately. Pricewise, there were no changes reported in the quotations for either the imported or the domestic and there were no indications that any were planned for the immediate future.

Naphthalene—The supply of the refined material last week was still not at great levels. It was pointed out that the supply had recently showed some tendency towards improvement, but there were still no overstocks of it reported. The supply and demand of the crude material had recently been approaching a position closer to balance. There were still shortages reported here and there but in general the trend seemed to indicate that there was some slight freeness coming into the market. Recently, the market for the crude had been helped somewhat by the arrival of material from abroad. These shipments were fairly consistent and were serving to help the situation in this country somewhat.

There was not a great deal of demand reported for the material to be used as moth repellents at this time. The period for putting away summer garments and mothproofing them had passed and it was not expected that demand for this purpose would increase before March. The trade generally finds the demand for mothproofing material better in the spring than in the fall. Last spring demand was not particularly heavy because of the lateness of the season, but it continued during the summer months, past the time when it ordinarily might have been expected to be noted. Pricewise, there were no changes noted in the market for this material during the past week and there were no indications from sellers that they were planning any for the immediate future.

Phenol—Price schedules for both the technical and the USP material were reported to be unaffected during the past week and there were no indications that any changes were being planned for the immediate future. Neither material was freely available during the past week, and although there had been some indications from time to time that the supply and demand were coming into a position of better balance, it was seen that the general condition was still one of tightness.

Pyridin—There were no revisions in price schedules noted in the market for this material during the past week, nor were there any indications that any were anticipated for the immediate future. The demand was still reported to be at strong levels and there were no suggestions that there would be any decrease in it in the immediate future at least. The pharmaceutical grades were still tight as to supply, but there had been some reports that indicated there was a slight easing in the market for the denaturing grades. Sellers preferred to watch the market for this material to see what it would do over a period of several weeks, for despite the fact that there were reports of a tendency towards easing, there were still some difficulties being encountered in obtaining supplies.

Solvent Naphtha—The refined material was said to be somewhat easier as to supply, but this was still a relative situation and the industry preferred to watch the market for further developments. The crude continued to be tight as to supply, and demand for it was still being felt at the previously noted strong levels. There were no changes reported in the price schedules and there were no indications that any were being planned for the immediate days to come.

Toluol—There were no reported price changes in the market for this material during the past week, and there were no indications that there were any expected for the immediate future. Some sellers felt that current quotations would hold for the balance of the year unless there should be increases in the cost of labor or transportation. Others were of the same opinion, but were not sure that the present listings would hold after the beginning of the new year. In general, the supply of the material was still tight, although most old, established customers were able to obtain enough of the product to satisfy their immediate wants.

Xylol—This material, like toluol, was in a largely unchanged condition on the market during the past week. The supply of it was at none too high levels, although as a general thing the established users were able to obtain enough of the product for their immediate requirements. Prices held at previous levels, but it was not certain what might happen to them after the first of the year, although there were

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1949
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TELEPHONE: MURRAY HILL 5-9508
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indications that the listings would probably hold until that time.

Intermediates

Acid, Sulphanilic—Quotations on the technical material were firm during the past week, and it was reported that the supply continued at levels sufficient to satisfy the market.

Anilin Oil—The listings for this product remained at their recently established levels during the past week, and there was no word that any further changes were expected for the immediate future. Demand for the item remained good and supplies were said to be ample to accommodate it, with the result that the market was in a reasonably well balanced position.

Anilin Salt — During the last two months, it was reported, there had been a heavy demand for this material, but it was regarded as a temporary condition. Supplies in general were at good levels and with the demand expected to drop bark to normal soon, it was said that stocks of the item would probably be available in ample quantities.

Orthoanisidin—Pricewise, there was no feature to the market for this material during the past week. Quotations held firm and there were no indications that any changes were planned for the immediate future at least. Stocks were said to be "available."

Orthochloroanilin—The market for this material was steady during the past week as far as price was concerned, with no changes reported and no word that any were being planned for the immediate future. The supply situation was considered to be generally good and as one seller put it, the material was readily available.

Orthochlorophenol — Listings on this material were reported to be unchanged during the period under review, and there were no indications that any were being planned for the immediate future. There was sufficient of the material on the market to make it a readily available item, it was reported.

Orthonitroanilin — There were no changes reported in the price for this material during the past week and there were no indications from producers that they were planning any for the immediate future. There were sufficient stocks of the material to accommodate most normal ordering.

Orthonitrochlorobenzene — Supplies of this material were reported to be in a good position during the past week and, generally speaking, sellers were able to accommodate the wants of their customers without any delay. Prices held firm at previously quoted levels and there were no indications that sellers were planning any changes in the immediate future.

Para-anisidin — For normal ordering, there was said to be enough of this material available on the market during the past week. Pricewise, there was no change in previously listed quotations and there were no suggestions that the price of this material might undergo revision during the immediate days to come.

Phthalic Anhydride — Pricewise, this material was in a quiet position last week. Quotations held at their recently established levels and there were no indications from sellers that they were planning any rises in the immediate future. Supplies of this item were still tight. There had been reports from time to time that the supply situation was showing a tendency towards easing, but such improvement as there was was still only of minor proportions, and the material remained a hard-to-get item. Demand for it was running at good levels and there were all signs that it would continue that way for some time to come. New production facilities had recently gone into operation, but they were still not running at full capacity and were not expected to be until about the first of the new year. The new facilities, when going at full capacity, were expected to make a total of 8,000,000 pounds a year, and this output was expected to have some easing effect on the general supply of the item.

Pennsylvania Salt Appoints Two New Research Chemists

The Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Hyman Iserson and Maurice E. Miville research chemists at its Whitemarsh research laboratories. Mr. Iserson was formerly associated with the Frankford Arsenal and the Rohm & Haas Company, and Mr. Miville was formerly employed by the Celanese Corporation of America.

CHEMICALS and INTERMEDIATES

Coal Tar Chemicals, Derivatives and Related Products

Phenol U.S.P.
Cresol U.S.P.
Cresylic Acid
Pyridine
Naphthalene
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Named Vice-President

J. E. Niederhauser has been appointed vice-president in charge of industrial relations by the Continental Can Company, New York. He has been manager of industrial relations for the company for several years.

Lindsay Light & Chemical Buys Domestic Monazite Sand

Lindsay Light & Chemical Company, Chicago, has purchased forty tons of monazite sand from deposits in McCall, Idaho. The material, first domestic shipment of monazite sand ever made, will be processed into thorium and its salts by the company.

Cleveland Chemical Salesmen See Air Power Motion Picture

The Chemical Salesmen of Cleveland saw an Eastern Air Lines motion picture entitled "Air Power Is Peace Power," at its recent meeting at the Mid-Day Club. The group also discussed plans for its annual Christmas party.

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Koppers Unit to Supply Time-Saving Agitator

The engineering and construction division of the Koppers Company, Pittsburgh, has signed an agreement with Dr. Bronislaw Goldman, consulting engineer of that city, whereby it will be able to furnish the Goldman agitator for chemical or other industrial plant installations.

The Goldman agitator, recently patented in the United States, works on an entirely new principle whereby the mixing or washing time of chemicals is reduced materially. The agitator is so constructed that it propels liquid to the sides of the tank and upward. At the top, the liquid is drawn to the center where it is pulled downward through the hollow axis upon which the agitating blades are fastened. It is expelled from the bottom of this hollow axis to repeat the process.

Several installations of the Goldman agitator are now being made. Through its use, it is said, plants will be able to handle production with fewer washers or washers of smaller size.

Hydrocarbon Standards Available at National Bureau

Recent additions to the series of standard hydrocarbon compounds available from the National Bureau of Standards are trans-decahydronaphthalene (trans-bicyclo-[4,4,0]-decane), N-dodecane, 1-methyl-3-isopropylbenzene, 3-methyl-trans-2-pentene, 4-methyl-cis-2-pentene, 2, 3-pentadiene.

These bring up to a total of 150 the standard hydrocarbon samples prepared under the cooperative program of the bureau and the American Petroleum Institute for calibrating laboratory equipment in the chemical and related industries. Copies of the list and directions for ordering the samples may be obtained from the National Bureau of Standards, Washington 25.

Minnesota Mining Appoints Wolfe Plant Head at Bristol

The Minnesota Mining & Manufacturing Company, St. Paul, Minn., has appointed Robert N. Wolfe manager of operations at its new plant in Bristol, Pa. William A. Aitken, currently personnel manager of the company's St. Paul plant, will succeed Mr. Wolfe as manager of the Hutchinson, Minn., plant. No date has been set for the opening of the Bristol plant, which was purchased from the War Assets Administration and is being converted for production.

Hungary Modifies Import Duties

The government of Hungary has modified its import duties on various products. Under the revision, cobalt chloride for the manufacture of pottery, sunflower oil for the production of margarin and ordinary automobile waxes have been made duty-free, under special permit, until further notice. In addition, only 10 percent of the existing rates are to be imposed on acetone for industrial purposes and coconut oil for the manufacture of soap. Specific rates will be charged on table salt, and new rates have been established for nitric acid, bronze powder and metal pigments.

Maneely to Make Zinc Salts

The Maneely Chemical Company expects to start operations at Wheatland, Pa., shortly after January 1. The company expects to produce zinc chloride, zinc sulphate, zinc-ammonium chloride and pigment grade iron oxide, among other items.

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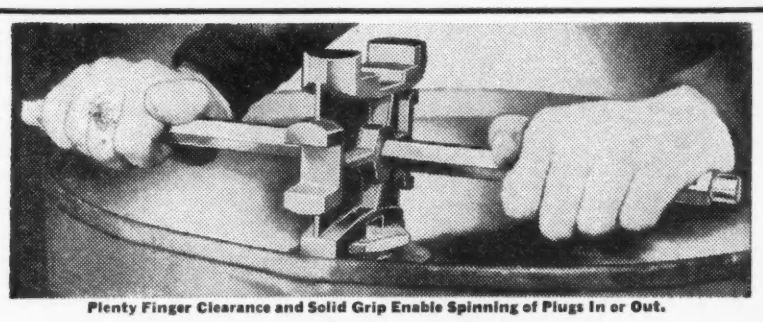


Plenty Finger Clearance and Solid Grip Enable Spinning of Plugs In or Out.

Save Time, Temper and Knuckles with the "ALL-PLUG" STEEL DRUM WRENCH

This master wrench services all foreign and domestic plugs. Its excellent design and perfect balance prevents mutilation of the plugs and injury to the operator's hands. The slide bar handle clears low and high chimes alike with plenty of finger clearance.

No partial turns or half grips need be resorted to, this wrench gets a firm grip on the plugs and gets them in or out quickly.

The large filler plugs are handled just as easily as the small "drain" plugs.

The "ALL PLUG" wrench does away with the need of having an assortment of miscl. wrenches, bars, and gadgets, homemade or otherwise which clutter up many shops. It is self-contained, has no adjustments, holders, adapters or other easily mislaid parts to bother with.

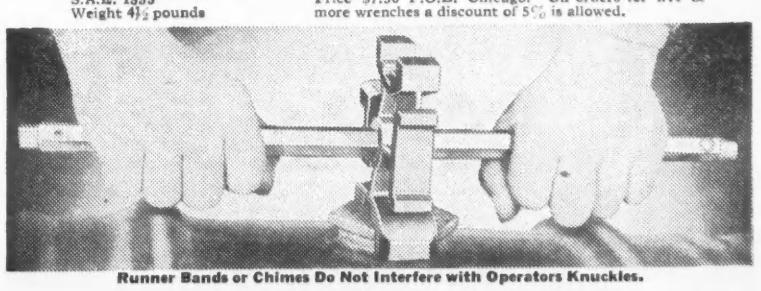
Construction and Design

A four pronged alloy steel spider, 4½ inches in diameter is built around a substantial hub thru which a ⅝ inch by 18 inch steel hexagonal slide bar is fitted. Two drain plug nipples are located at the ends of the bar. An automatic ball bearing stop holds the spider at the center for fast work, a slight tap releases it for heavy pulls to the end of the bar. To withstand the hardest use, this wrench is properly heat treated, machined and ground.

Specifications

Spider—Nickel Steel
S.A.E. 3140
Rockwell 40
Tensile strength 90,000 lbs.
Handle—Cold rolled steel
S.A.E. 1335
Weight 4½ pounds

Guarantee, One year
Life expectancy 5 years
Shipped from Chicago stock within two days of receipt of order.
Price $7.50 F.O.B. Chicago. On orders for five or more wrenches a discount of 5% is allowed.



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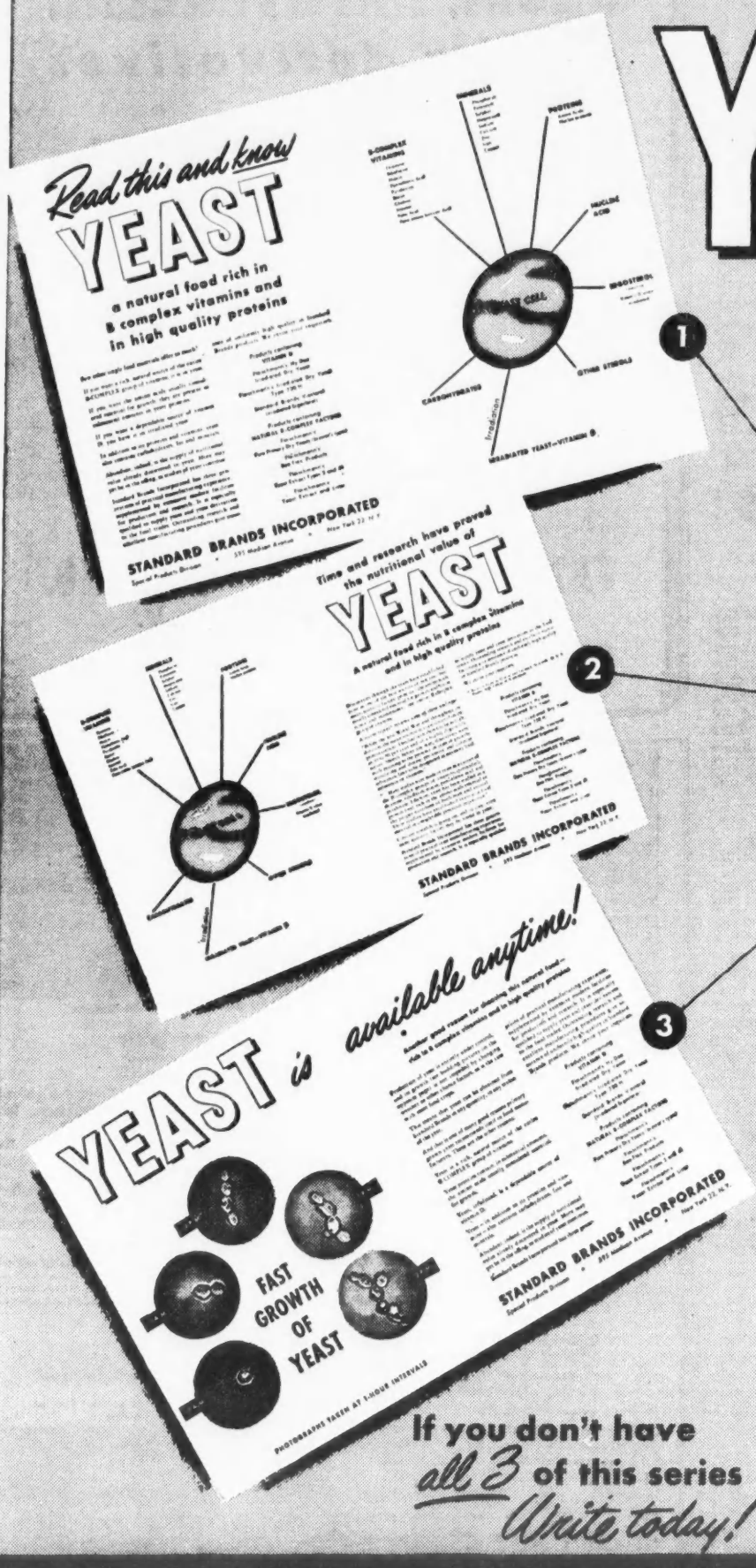
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Drugs and Fine Chemicals

Another break occurred in the alcohol market late last week in which prices were reduced from 2 to 3 cents per gallon depending upon the formula. Absolute and pure alcohol were reduced 3 cents per gallon, as were also some of the denatured formulas. However, completely denatured alcohol was dropped only 2 cents, and SD-1 by 2½ cents, in a refiguring of current costs. Meanwhile, in some quarters there was reported occasional price shading below the new level of quotations. Silver cyanide dropped 1⅝ cents and silver nitrate 1½ cents per ounce, following recent reductions in silver bullion.

In the pharmaceutical section of this market there were a few price advances and some reductions. Ephedrine alkaloid and its salts were advanced, and an upward adjustment in methylene blue, sulphabenzamide, sulphabenzamide-sodium, and acetyl sulphanilamide were noted. Aminophylline took a significant drop and bulk penicillin was off ½ cent per 100,000 units all across the board.

Industrial chemicals were fairly stable, but in some sections of the industry there was a feeling of instability with reference to a number of large volume items. Alcohol was in a position of abundant supply in a market in which prices had already tumbled a total of 21 cents per gallon in a series of price reductions. Formaldehyde in abundant supply was dropped ½ cent per gallon under pressure of competition some weeks ago, and these prices were being shaded in several quarters. Acetone was currently being threatened by factors which would tend to pull down the general price structure. Meanwhile the natural ester solvents and other derivatives of ethyl alcohol had partially followed the price changes of alcohol to a point where they were competitive with the price of synthetically produced material, and were temporarily expected to hold in order to recover some of the losses currently being taken on alcohol.

There was mixed opinion as to how far alcohol and its related materials would go ultimately, but the consensus was that it had not yet hit bottom. A break in the glycerin market was expected, but was felt to be beyond the first of the year. Meanwhile, consumers of these materials which were dropping in price were inclined to let inventories fall to a minimum, and to confine purchases to a hand-to-mouth basis. This made business on these items temporarily still slower. Industry in general was taking the current roll back in prices philosophically, disliking the immediate losses involved, but expressing the feeling that in the long run it was a good thing for everybody.

The current dock strike had by now started to be felt in many quarters, with arrivals from abroad reduced to a mere dribble. In some items this was creating a temporary shortage, and such items as mercury advanced sharply. In most cases the shortages so far are potential rather than actual, with buyers trying to buy more than normal amounts to cover themselves should the strike be prolonged beyond the first of next week when a settlement was expected to become effective.

Acid, Hydrchloric, CP — The current price structure on CP acid was quoted in carboys and 5 pint size bottles, cases extra and returnable at buyers expense, on a f.o.b. basis with freight equalized with recognized producing points. Carlot quantities to consumers were priced at 7¾c. per pound in carboys and 12¾c. in bottles. In less than carlot quantities carboys were priced at 9¼c. to 9¾c., and bottles at 14¼c. to 15¼c.

Acid, Nitric CP—Prices currently quoted f.o.b. freight equalized with recognized producing points, with carboys or bottles and cases extra and returnable at buyers expense, stood at 11½c. per pound for carlot carboys and 15½c. for carlot bottle shipments. The less carlot quotations ranged according to quantity from 13c. to 13½c. for carboys and 17c. to 18c. for bottles.

Acid, Sulphuric CP—Like the other CP mineral acids, this item was quoted on an f.o.b. basis, freight equalized with recognized producing points, and with carboys, bottles and cases extra and returnable at buyers expense. On this basis, carboys were quoted at 7¾c. per pound in carlots and ranged from 9¼c. to 9¾c. in less than carlots. Bottles were quoted at 11¼c. in carlots and ranged in less carlots from 12¾c. to 13¾c.

In the first eight months of 1948 Italy exported 557 metric tons of tartaric acid. Exports of this material in 1947 amounted to 1,342 tons.

Acetyl Sulphanilamide — This material was advanced in price by 25c. per pound, bringing the current quotations to $4.25 per pound f.o.b. on shipments of 100 pounds or more. Supplies were described as adequate to take care of consuming demand.

Alcohol—Another break in the alcohol market late last week of 2c. to 3c. per gallon all across the board, added further to the confusion into which the market was thrown by a sudden but not unexpected sharp break in the price structure initiated two weeks previously and followed by subsequent reductions.

There was considerable uncertainty as to where the market would stabilize, with estimates in various quarters ranging variously from 35c. to 50c. However, the general feeling was that there would be some stabilization in the vicinity of 50c. per gallon for some weeks to come.

These acute declines in the price of alcohol were due to several factors. To begin with, alcohol had been priced appreciably above what it was actually worth to consumers and some downward adjustment was in order regardless of manufacturing costs. In addition, there was an excess of supplies on the market with production capacity far exceeding the demand for several months, creating an acutely competitive situation in which price shading was widely practiced in some quarters.

The market was also said to be flooded with distressed potato alcohol offered industrially on individual price concessions that demoralized the market. Much of this potato source material was made from government potatoes bought at various levels from freight costs up to 15c. per 100 pounds. Then, too, there was the threat of increased petroleum source material soon to come on the market presumably at price levels even below current prices.

Finally, there was the recently reported deal in which a large producer bought up the remaining 1948 crop of molasses in Cuba on a sliding scale based on United States alcohol prices, which would enable large quantity production at a profit regardless of the substantial price drops that might develop. Producers who were caught with high priced molasses and stocks of high priced alcohol are being hurt and the extent of their losses was as yet uncertain, but it was certain that such losses would be very appreciable.

Aminophylline—The price of this item was reduced 75c. per pound, following by several months the reduction in price that was made on theophylline. The current price on this theophylline ethylenediamine was reduced to $8.25 per pound in 100 pound drums, and ranged upward to $8.75 for 25 pound quantities.

Ammonium Hydroxide CP — This material was quoted in carboys at 9½c. per pound in carlots, and 11c. to 11½c. in less than carlot quantities. Bottles of 5 pint capacity were quoted at 16½c. in carloads and 18c. to 19c. per pound in less than carlots. These quotations were consumer prices, and were on an f.o.b. basis with freight equalized at all recognized producing points. Carboys, bottles, and cases were extra, returnable at the buyers expense.

Ammonium Phosphate, Dibasic — The NF-V grade of this material was quoted in barrels of 275 pounds at 40c. per pound. Demand was steady and moderate, and no

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Ephedrine, alkaloid, 14c. per oz.
Hydrochloride, 15c. per oz.
Sulphate, 15c. per oz.
Methylene blue, 24c. per lb.
Quicksilver, $4 per flask.
Sulphabenzamide, 25c. per lb.
Sulphanilamide, Acetyl, 25c. per lb.

Prices Reduced

Alcohol, ethyl, 2c. to 3c. per gal.
Aminophylline, 75c. per lb.
Penicillin, bulk, ½c. per 100,000 units.
Silver cyanide, 1⅝c. per oz.
nitrate, 1½c. per oz.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
259.0	259.0	260.1	255.6

(*For Current Prices see Page 9*)

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change was expected in the immediate future.

Argols—Imports last week amounted to 1,000 bags arriving at New York. Prices were still unchanged from levels prevailing over recent months, and the market was described as relatively quiet.

Camphor—Production of camphor products in Japan in June was reported in a preliminary way as 154 metric tons of camphor oil compared to a revised figure of 145 metric tons in May; crude camphor stood at 121 metric tons compared to May production of 113 metric tons; and some 47 metric tons of refined camphor were produced, compared with May output of 52 metric tons.

Caramel Coloring—There was plenty of material available to meet all demands in the current market, and demand was steady but of moderate volume. Prices in barrels were currently quoted at $1.05 per gallon.

Castor Oil—The current dock strike is curtailing the imports of castor beans at American ports. This market was evidently awaiting a still further reduction in the price position before there would be any marked increase in activity. Castor bean exports from Brazil for the first five months of this year were reported to amount to 52,472 metric tons of castor beans, valued at 167,202,000 cruzeiros. Castor beans are grown mostly in Sao Paulo, but plantations are common from Para to Rio Grande do Sul, with considerable production even in Mato Grosso.

Arrivals of beans last week amounted to only 20,460 bags equivalent to 3,069,000 pounds, compared to 21,507 bags or 3,226,050 pounds the previous week and 27,529 bags or 4,129,350 pounds during the corresponding week of last year. The sudden drop of imports was due, in part to the current strike of dock workers.

Total arrivals since January 1 amounted to 1,250,515 bags equivalent to 187,673,250 pounds, compared to 1,437,825 bags or 215,673,750 pounds during the corresponding period of last year.

Codliver Oil—This market was unchanged from its position of short supplies over recent months. Prices were holding uniform, and arrivals of material at American ports was small and very spotty. Last week 913 drums arrived at New York.

Cream of Tartar—Some 335 casks of this item were imported from Italy last week, arriving at New York. There was no change to report in the market as prices remained at former levels in a market that was characterized by slow trading and little active interest.

Crotonaldehyde—This material was in tight supply with domestic demand running ahead of supply in most instances, and very little, if any, available for export. Current domestic prices ranged

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from 16½c. to 26c. per pound between different producers, drums billed extra. One producer who makes the item in substantial quantities, consumes all of their entire output in manufacturing their own products. However, at least two other producers were offering material on the open market. Another producer in Canada confined sales to that area exclusively.

Dihydrostreptomycin — This material was cleared by the Food and Drug Administration November 18 with the issuing of market regulations. Accordingly it was being shipped last week at prices for both the hydrochloride and the sulphate corresponding to regular streptomycin prices. Quotations to hospitals on labeled material stood at $1.60 per gram and wholesalers were quoted $1.28 per gram.

Ephedrine and Salts—A price increase was made last week on these items. The anhydrous and hydrous synthetic alkaloid advanced 14c. per ounce, while the hydrochloride and sulphate were each advanced 15c. per ounce. Supplies were described as quite ample to meet the demand. Demand was somewhat on the increase, but was lagging behind expectations temporarily.

Ethyl Acetate—Current prices on the NF grade of material stood at 23c. per pound. Technical material widely used as a solvent in such industries as lacquer manufacturing, had apparently settled down to its new lower level set some two weeks previous. Supplies were ample, and there was nothing new to report on the various grades of natural and synthetic material.

Formaldehyde—Prices currently quoted in OPD represent the market and the listings of major producers. However, there was reported incident of price shading and of individual price concessions somewhat under these levels. Some producers found it necessary to meet these prices on occasion, and the market was in this respect somewhat similar to the situation that has existed in the alcohol market over recent months. This slightly unstable price situation was due primarily to the easy supply position which now exists and the fairly acute competitive situation that has developed. Methanol prices have not been reduced, and hence material costs are in no sense any justification for the current trend. With increased production facilities arising from new producers in the field, together with large volume operations of established producers, an abundance of material is available which must be sold on a competitive market and production capacity with ample methanol available, is greater than what the market at present can absorb. No such sharp break as has occured in the alchol market, however, was likely to develop.

Menthol — The domestic demand for menthol was off very appreciably from expectations, and the recent decline in the spot price could be attributed almost entirely to the current slow demand. While the prime sources were offering material for January-March delivery somewhat under current shipments, this was not a factor of too great importance in the immediate spot market which ranged from $9.05 to $9.25 per pound depending on

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Methanol—The synthetic methanol market was steady, with large volumes moving promptly into consuming channels under a firm price structure. By virtue of increased production facilities of established producers as well as operations of new producers, there was no shortage developed this year as in previous years, and there was plenty of methanol available for the manufacture of formaldehyde and pentaerythritol which until this year were during and since the war handicapped by insufficient methanol.

Production of natural methanol was reported by the Bureau of Census as 191,000 gallons in September, compared to 190,000 gallons in August and 190,000 gallons in September of last year.

Methylene Blue—The USP material was advanced in price 24c. per pound, bringing current quotations on this methylthionine chloride to $2.66 per pound f.o.b. in 100 pound drums, and $2.77 and $2.83 per pound for 50 and 25 pound packages respectively. Supplies were quite ample to meet the present moderate demand.

Milk Powder—Some improvement in the dry milk powder market was noted last week, in that there appeared to be less confusion as a result of less offerings of distress and off standard material at substantial price concessions. Continued government purchases also gave some support to the market. Prices were essentially unchanged from former quotations, with the exception of a narrowing of the range of quotations on roller process skimmed milk.

In the first nine months of this year production of total skimmed milk by both the spray and roller processes amounted to 533,000,000 pounds, some 6 percent under the production for the corresponding period of last year. Stocks of skimmed milk on September 30 were on the order of 82,000,000 pounds, seasonally lower than the previous month, but some 64 percent greater than a year ago.

For the week ended November 18, Department of Agriculture purchases of skimmed milk amounted to 2,473,500 pounds of spray process material and 1,427,565 pounds of roller process skimmed milk. This brought the total purchases so far this year to 68,526,207 pounds of spray process milk compared to 138,138,683 pounds during the corresponding period of last year; and 53,012,504 pounds of roller process skimmed powder, compared to last year's corresponding purchases of 77,122,154 pounds. The Bureau of Agricultural Economics reported that dry whole milk prices declined about 7

—*Continued on page 78*

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Heads Physical Chemists

Prof. Martin Kilpatrick, chairman of the chemistry department of the Illinois Institute of Technology, has been elected chairman of the division of physical and inorganic chemistry of the American Chemical Society. Dr. John C. Bailar jr., of the University of Illinois chemistry department was named chairman elect, and Dr. Milton Burton, of the University of Notre Dame, was elected secretary-treasurer.

APMA Scientific Award Presentation Dinner Dec. 7

The American Pharmaceutical Manufacturers Association will present its annual scientific award to the National Institutes of Health at a dinner session in the Waldorf-Astoria hotel, New York, on December 7, as part of its midyear meeting, to be held on December 6 to 8.

Preceding the dinner will be morning and afternoon sessions, at which many scientific papers describing basic information on major research progress in drug therapy will be presented. The presentation address at the evening session will be delivered by Dr. Ernest E. Irons, president elect of the American Medical Association, and the acceptance will be by Dr. Rollo E. Dyer, director of the institutes.

Presiding at the morning session will be Dr. Austin Smith, American Medical Association, and Dr. Isaac Starr, former dean and Hartzell professor of therapeutic research, University of Pennsylvania Medical School, will preside over the afternoon session. The list of speakers and topics for the two sessions is as follows:

Morning Session

"Trends in Drug Therapy Research," by Dr. Smith; "Basic Research Progress in the Field of Cancer," by Dr. C. P. Rhoads, director of the Memorial Hospital Center for Cancer and Allied Diseases and of the Sloan-Kettering Institute for Cancer Research; "Trends in the Field of Biologic Products," by Dr. M. V. Veldee, chief of the biologics control laboratory, United States Public Health Service; "Basic Research Progress in the Field of Antibiotics," by Dr. Perrin H. Long, professor of preventive medicine, Johns Hopkins University School of Medicine; "Basic Research Progress in the Field of High Blood Pressure," by Dr. Keith S. Grimson, associate professor of surgery, Duke University School of Medicine, and "Use of Vitamin B_{12} in Treatment of Pernicious Anemia," by Dr. Randolph West, professor of medicine, Columbia University College of Physicians and Surgeons.

Afternoon Session

"On the Stimulation of Medical Research by Means of Grants: Its Promise and Its Dangers," by Dr. Starr; "Basic Research Progress in the Field of Nutrition," by Dr. Charles G. King, director of the Nutrition Foundation; "Basic Research Progress in the Field of Blood Disorders," by Dr. Roy R. Kracke, dean and professor of medicine, Alabama University School of Medicine; "Basic Research Progress in the Field of Heart Diseases," by Dr. Arthur C. DeGraff, professor of therapeutics, New York University College of Medicine; "Basic Research Progress in the Field of Arthritis," by Dr. Charles Ragan, assistant professor of medicine, Columbia University College of Physicians and Surgeons, and "Basic Research Progress in the Field of Dermatologic Disorders," by Dr. Howard T. Behrman, assistant clinical professor of dermatology, New York University College of Medicine.

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Citric Acid Improves Soybean Oil Refining

A refining process, utilizing citric acid to improve the flavor and keeping quality of soybean oil has been worked out by scientists in the Bureau of Agricultural and Industrial Chemistry, United States Department of Agriculture.

Presenting the development at the annual meeting of the American Oil Chemists Society, Dr. H. J. Dutton of the Northern Regional Research Laboratory, said that the process was in commercial use and produces oil which initially tastes better and keeps from three to five times longer than oil refined by previously used methods. Very little citric acid is required, he said; 3 ounces or 4 ounces being sufficient to process a ton of oil.

The process was discovered in Germany. It has been modified because of a revision of the theory, it having been found that the real function of the citric is to neutralize the effect of minute quantities of metal that get into the oil from processing apparatus. This decreases the rate of oxidation.

The new process does not solve the problem of flavor-reversion in soybean oil. The Northern laboratory has that under study.

Window-Display Information Furnished by McKesson & Robbins

To aid retail druggists in developing better window displays and thereby merchandise their departments more productively, McKesson & Robbins, Inc., is distributing to its customers a complete handbook on window display entitled "Better Window Displays . . . An Invitation to More Drug Store Sales."

The book has eighty-four photographs, constituting practical examples of easily installed window displays covering almost every variety of drug store merchandise. It also shows by diagram and drawings, how easily effective displays can be installed by the use of simple standardized "props" to increase the drawing power of window displays. The company refers to the book as "the window way to more drug store sales," and believes it to be the most comprehensive presentation of the subject ever offered to the retail drug trade.

Merck Quarter-Centurians Have Tenth Annual Dinner

Members of the New York and Rahway chapters of the Merck Quarter Century Club recently held their tenth annual dinner at the Essex House, Newark, N. J. The 115 members in attendance represented 3,600 years of service with Merck & Co., chemical manufacturer, Rahway, N. J.

United States HORMONE Corp.

Internationally known for quality. One of the largest producers in the U.S.

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White powder, high, constant ethylenediamine content
B. L. LEMKE & CO., INC., Manufacturing Chemists, New York 13, N. Y.

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Chemical Division

CORN PRODUCTS SALES COMPANY
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Penicillin Clinical Data Published by Merck

The clinical use of crystalline penicillin G sodium is comprehensively outlined in a new booklet published by Merck & Co., Rahway, N. J. Following a notation of the four principal types of penicillin, the text covers penicillin G, referred to as the type most extensively used clinically, with reference to stability and storage, chemistry, clinical indications, preparation of solutions, methods of administration, dosage, bacterial resistance, toxicity, and contraindications.

The Merck booklet has been designed particularly for distribution to the medical profession. Much of its information is no less valuable for manufacturers and distributors of penicillin medicaments.

Rand Pharmaceutical Co. Is New Albany Concern

The Rand Pharmaceutical Company, which opened offices at 11 Greene street, Albany, N. Y., a short time ago, is manufacturing various vitamin capsules and other drug products. It has a branch in Bridgeport.

The officers of the company are: — President, Dr. F. J. Vinci, formerly on the medical staff of the International Vitamin Corporation; vice - president, Manuel Schindler; secretary, Nathan N. Werlin.

As yet but a small concern, employing a dozen workers, the Rand Company, Dr. Vinci says, is growing well. Consideration is being given, he adds, to the erection of its own plant.

Madagascar Issues New Export Licensing Rules

The government of Madagascar and the Comoro Islands has published new regulations governing export from those areas. All goods are subject to export licensing except certain specific items which may be exported to France and French territories without a license, and the exportation of some commodities is not authorized to any country.

Included on the list of items which are not authorized export to any destination are: starch; peanuts and copra; lard, animal fats and oils; crude or refined vegetable oils; other vegetable fats and oils; margarin; edible fats; peanut and copra oilcakes; salt; lime; ordinary and toilet soap, and asphalt and bitumen.

Among those items which may be exported exclusively to France with free prices are: castorbeans; tallow, tung oil; spermacetti wax; natural calcium phosphates, including fossil guano; natural magnesium salts; calcined magnesia; emery; corundum; talc and natural steatie; asbestos, and ores of all metals with fixed f.o.b. prices.

Vanilla beans, graphite and mica may be exported to any destination, with fixed f.o.b. prices.

Chemical Workers Weekly Earnings Increased in August

Weekly earnings of factory workers in chemical and related fields showed a light increase in August, as compared with July. A breakdown of the weekly earnings for the chemical and allied industries follows:—

	Weekly		
	Aug. 1948	July 1948	June 1948
Chemical and allied products	$57.60	$57.18	$56.64
Ammunition	52.64	53.05	51.48
Chemicals	63.62	63.49	63.17
Cottonseed oil	38.59	38.77	37.94
Drugs, medicines, insecticides	49.29	49.21	49.56
Explosives, safety fuses	63.93	61.65	61.58
Fertilizers	40.37	40.32	39.34
Paints and varnishes	59.03	59.11	57.84
Petroleum and refining	70.62	69.46	67.18
Rayon, allied products	55.32	53.38	51.72
Soaps	63.78	62.44	63.09

Breon Co. Elects Vice-President

Dr. Clyde W. Geiter, medical director of George A. Breon & Co., pharmaceutical manufacturer, Kansas City, Mo., has been elected a vice-president of the company. Dr. Geither joined the staff of Frederick Stearns & Co., now Winthrop-Stearns, Inc., in 1933, and served as head of its pharmacology, bacteriology and vitamin laboratory before becoming medical director of the Breon organization early this year.

Personal Products Adds to Board

The Personal Products Corporation, Milltown, N. J., had elected Charles W. Stoeffler to its board of directors. Mr. Stoeffler, who is treasurer of the company, joined the organization in 1945 as comptroller after sixteen years with the United States Rubber Company.

MAGNESIUM
CARBONATES
HYDROXIDES
OXIDES
(U. S. P. TECHNICAL AND SPECIAL GRADES)
MARINCO BRAND
MARINE MAGNESIUM
PRODUCTS CORPORATION
Main Office, Plant and Laboratories
SOUTH SAN FRANCISCO, CALIFORNIA
Distributors
WHITTAKER, CLARK & DANIELS, INC.
NEW YORK: 260 West Broadway
CHICAGO: Harry Holland & Son, Inc.
CLEVELAND: Palmer Supplies Company
TORONTO: Richardson Agencies, Ltd.
G. S. ROBINS & COMPANY
ST. LOUIS: 126 Chouteau Avenue
ORIGINAL PRODUCERS OF
MAGNESIUM SALTS FROM SEA WATER

METALSALTS CORPORATION
MERCURY • MERCURIALS
AND OTHER PRODUCTS
PHARMACEUTICAL GRADE
- White Precipitate U.S.P.
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Adhesiveness • Softness • Slip
Bloom • Fluffiness
Specify WARCO CZ to Insure Quality
WARWICK CHEMICAL COMPANY
DIVISION
10-10 44th AVENUE • LONG ISLAND CITY 1, N. Y.
Sun CHEMICAL CORPORATION

Imports at United States Ports

Items listed below represent quantities included on manifests processed in Custom Houses at the ports indicated. Because of strike conditions in the various ports, the vessels may not have been unloaded.

New York

ANILIN COLORS—26 cyls, Sandoz Chemical Co, Kedive Ismail, Genoa
OIL—10 dms, Fritzsche Bros, Inc, Sally Maersk, Hongkong
ANTIMONY ORE—1,559 bgs, South American Minerals & Merchandise Corp, Gerda Dan, Salaverry
847 bgs, South American Minerals & Merchandise Corp, Gerda Dan, Callao
ARGOLS—1,000 bgs, Tartaric Raw Materials Corp, Exmouth, Brindisi
BEESWAX—144 bgs, Strahl & Pitsch, Inc, African Sun, Dar Es Salaam
34 pkgs, Bank of Manhattan Co, Kedive Ismail, Alexandria
104 pkgs, Guaranty Trust Co, Kedive Ismail, Alexandria
BELLADONNA LEAVES—20 bls, Superintendence Co, Exmouth, Rijeka
11 bls, R J Prentiss & Co, Exmouth, Rijeka
10 bls, Peek & Velsor, Inc, Exmouth, Rijeka
BERGAMOT OIL—80 cs, Exmouth, Messina
CARAWAY SEED—150 bls, R J Spitz Co, Vibeke Maersk, Rotterdam
100 bls, Louis Furth Co, Vibeke Maersk, Rotterdam
100 bgs, R L Friedler Co, Akkrumdyk, Rotterdam
CARDAMOM SEED—4 cs, Dodge & Olcott Co, Veragua, Puerto Barrios
CASHEWNUT OIL—645,120 lbs, Irvington Varnish & Isulator Co, Louis Mch Howe, Cochin
CASSIA—13 bdls, O G Innes Corp, Riouw, Singapore
500 bls, Otto Gerdau Co, Sally Maersk, Hongkong
650 bls, Arthur G Dunn Co, Sally Maersk, Hongkong
CASTOR BEANS—2,032 bgs, Baker Castor Oil Co, Tuskegee Victory, Bahia
4,250 bgs, Baker Castor Oil Co, Loide Paragua, Santos
9,084 bgs, Baker Castor Oil Co, Loide Paraguay, Salvador
5,094 bgs, Spencer Kellogg Co, Loide Paragua, Salvador
CHROME ORE—2,000 tons, Vanadium Corp of America, African Sun, Beira
CINNAMON QUILLS—200 bls, Riouw, Colombo
CITRONELLA OIL—8 dms, Stein, Hall & Co, Riouw, Tandjong Priok
20 dms, Norda Essential Oils & Chemical Co, Sally Maersk, Hongkong
COCONUT OIL—300 tons, Vegetable Oil Products Corp, Tonghai, Manila
825 tons, E F Drew Co, Tonghai, Cebu
CODLIVER OIL—100 dms, E F Drew & Co, Trollafoes, Reykjavik
300 dms, Arista Oil Products, Trollafoes, Reykjavik
515 dms, Bankers Trust Co, Trollafoes, Reykjavik
COLCHICUM ROOT—3 bgs, Peek & Velsor, Inc, Exmouth, Trieste
COPAL GUM—46 bskts, France, Campbell & Darling Co, Riouw, Macassar
COPRA—300 tons, General Food Corp, Tonghai, Manila
200 tons, General Food Corp, Tonghai, Cebu
1,000 tons, Vegetable Oil Corp, Tonghai, Cebu
CREAM OF TARTAR—175 cks, Guaranty Trust Co, Exmouth, Venice
160 bbls, Cypria, Barcelona
CRESYLIC ACID—320 dms, Vandalia, London
296 dms, American Cyanamid Co, American Chief, London
385 dms, Chas Page, Vibeke Maersk, Rotterdam
156 dms, Coaltar Chemical Co, Boston City, Bristol
CUTTLEFISH BONES—125 cs, American Cuttlefish Co, Cypria, Tunis
DAMMAR GUM—50 cs, O G Innes Corp, Riouw, Singapore
50 cs, Gillespie-Rogers-Pyatt Co, Louis Mch Howe, Singapore
DIOXIDE ACID—27 cks, Vandalia, London
105 cks, Hillcrest Park, London
ESSENTIAL OILS—8 dms, A W Muna, Cypria, Seville
FLEASEED—127 bgs, R J Prentiss & Co, Louis Mch Howe, Bombay
HUSKS—107 bgs, W M Allison & Co, Louis Mch Howe, Bombay
302 bgs, R J Prentiss & Co, Louis Mch Howe, Bombay
546 bgs, Parke Davis & Co, Louis Mch Howe, Bombay
FUEL OIL—70,000 bbls, Esso Export Co, Halcyon III, Aruba
102,000 bbls, Esso Standard Oil Co, Esso Bethlehem, Aruba
90,000 bbls, Esso Export Corp, Esso, Aruba
GENTIAN ROOT—25 bls, R J Prentiss & Co, Exmouth, Trieste
42 bgs, Cypria, Marseilles
GHATTI GUM—857 bgs, Innis, Speiden & Co, Louis Mch Howe, Bombay
GLUESTOCK—268 bls, John Govers Co, Cape Cumberland, Barranquilla
IPECAC ROOT—14 bgs, S B Penick & Co, Cape Cumberland, Barranquilla
IRON OXIDE—1,471 bgs, Smith Color & Chemical Co, Exmouth, Malaga
834 bgs, C J Osborn Co, Exmouth, Malaga
834 bgs, Lauders Segal Co, Exmouth, Malaga
KARAYA GUM—198 bgs, S B Penick & Co, Louis Mch Howe, Bombay
640 bgs, Jacques Wolf Co, Louis Mch Howe, Bombay
114 bgs, Innis, Speiden & Co, Louis Mch Howe, Bombay
267 bgs, W M Allison & Co, Louis Mch Howe, Bombay
67 bgs, The Meer Corp, Louis Mch Howe, Bombay
189 bgs, Paul A Dunkel Co, Louis Mch Howe, Bombay
66 bgs, Thurston & Braidich, Louis Mch Howe, Bombay
300 bgs, Dodwell & Co, Louis Mch Howe, Bombay
54 bgs, Orbis Products Corp, Louis Mch Howe, Bombay
267 bgs, Stein, Hall & Co, Louis Mch Howe, Bombay
KYANITE ORE—22 bgs, Golwynne Chemical Co, African Sun, Mombasa
LEAD—7,977 ingots, American Metal Co, Gerda Dan, Callao
159 ingots, Pope Trading Co, Exiria, Lisbon
LEMON OIL—80 cs, Exmouth, Messina
2 cs, International Products Corp, Akkrumdyk, Rotterdam
LEMONGRASS OIL—22 dms, LoCurto & Funk Co, Akkrumdyk, Rotterdam
LIQUIDAMBAR—2 dms, Trade Bank & Trust Co, Cape Cumberland, Cristobal
LOCUSTBEAN GUM—400 bgs, Public National Bank & Trust Co, Exiria, Alicante
250 bgs, Br[illegible] Bros-Harriman Co, Louis Mch Howe, Genoa
50 bgs, Paul A Dunkel Co, Louis Mch Howe, Genoa
MANDARIN OIL—1 cs, International Products Corp, Akkrumdyk, Rotterdam
MANGROVE EXTRACT—1,200 bgs, Saxe Cutch Corp, Riouw, Singapore
MEDICINAL HERBS—3 bls, S B Penick & Co, Exmouth, Trieste
27 bls, R J Prentiss & Co, North Haven, Algiers
125 bls, Biddle Sawyer Corp, Akkrumdyk, Antwerp
MENTHOL CRYSTALS—45 cs, R J Prentiss & Co, Sally Maersk, Hongkong
70 cs, Paul A Dunkel Co, Sally Maersk, Shanghai
50 cs, Magnus, Mabee & Reynard, Inc, Sally Maersk, Shanghai
10 cs, R J Prentiss & Co, Sally Maersk, Shanghai
5 cs, R J Prentiss & Co, Louis Mch Howe, Shanghai
MICA—209 cs, H S Williams Co, African Sun, Beira
1 cs, Brown Bros-Harriman Co, American Chief, London
36 cs, Westinghouse International Elec Co, African Pilgrim, Luanda
93 cs, Vilco, Inc, Wideawake, Buenos Aires
69 cs, Cosmopolitan Shipping Co, Wideawake, Rio de Janeiro
63 cs, American Mica Co, Wideawake, Rio de Janeiro
MYROBALANS—1,250 bgs, Hammond & Carpenter, Louis Mch Howe, Bombay
NAPHTHALENE—494 bgs, Chematar, Inc, Vibeke Maersk, Antwerp
NAPHTHENIC ACID—1,200 bbls, Stanco, Inc, Esso Aruba, Aruba
OLIVE OIL—107 dms, Central Hanover Bank & Trust Co, Exmouth, Malaga
75 dms, National City Bank, Exmouth, Malaga
9 dms, Bank of Manhattan Co, Exmouth, Malaga
78 dms, Hellenic Bank & Trust Co, Exmouth, Malaga
100 dms, J Scalafani Co, Exiria, Algiers
100 dms, Leghorn Trading Co, Exiria, Algiers
50 dms, Smith Weihman Co, Exiria, Algiers
30 dms, Public National Bank & Trust Co, Exiria, Seville
115 dms, Irving Trust Co, Exiria, Seville
40 dms, Lekas Corp, North Haven, Algiers
50 dms, A Corrao, North Haven, Algiers
80 dms, Leghorn Trading Co, North Haven, Algiers
100 dms, Strohmeyer & Arpe Co, North Haven, Algiers
53 dms, Leghorn Trading Co, Cypria, Malaga
25 dms, Comex Trading Co, Cypria, Malaga
OURICURY WAX—115 bgs, Wessel, Duval Co, Tuskegee Victory, Bahia
PAPAIN—72 cs, Chas L Huisking Co, African Sun, Tanganyika
PAPRIKA—300 cs, United Fruit Co, Exiria, Alicante
25 cs, American President Lines, Exiria, Alicante
100 cs, B A Railton & Co, Exiria, Alicante
100 cs, J Weinstein Co, Exiria, Alicante
200 cs, J Raphael Sons, Exiria, Alicante
250 cs, M A Porazzi Co, Exiria, Alicante
150 cs, Gallagher & Ascher Co, Exiria, Alicante
720 cs, Exiria, Alicante
250 bgs, J Raphael & Co, Exiria, Lisbon
50 bgs, Levy & Levis Co, Exiria, Lisbon
PEPPER, BLACK—192 bgs, F L Kraemer Co, Hillcrest Park, London
87 bgs, Hillcrest Park, London
65 bgs, Vandalia, London
280 bgs, Riouw, Singapore
150 bgs, Akkrumdyk, Rotterdam
WHITE—525 bgs, Internatio Rotterdam Co, Riouw, Tandjong Priok
PETROLEUM, CRUDE—123,488 bbls, Esso Standard Oil Co, Esso Rochester, Ras Tanura
112,447 bbls, Esso Standard Oil Co, Fort Lane, Fahaheel
114,933 bbls, Imperial Oil Co, Esso Scranton, Puerto La Cruz
111,268 bbls, Esso Standard Oil Co, Esso Chattanooga, Amuay
114,732 bbls, Tide Water Assoc Oil Co, David McKelly, Fahaheel
POPPYSEED—200 bgs, A G Dunn Co, Vibeke Maersk, Rotterdam
100 bgs, R C Williams, Vibeke Maersk, Rotterdam
200 bgs, Chas T Wilson Co, Vibeke Maersk, Rotterdam
100 bgs, Biddle, Sawyer Corp, Vibeke Maersk, Rotterdam
100 bgs, R T French Co, Vibeke Maersk, Rotterdam
200 bgs, Louis Furth Co, Vibeke Maersk, Rotterdam
100 bgs, Catz American Co, Akkrumdyk, Rotterdam
PYRETHRUM FLOWERS—123 bls, Irving Trust Co, African Sun, Mombasa
QUEBRACHO EXTRACT—2,000 bgs, International Products Corp, Tuskegee Victory, Buenos Aires
2,042 bgs, International Products Corp, Wideawake, Buenos Aires
1,800 bgs, River Plate Import & Export Corp, Wideawake, Buenos Aires
RESIN—3 cs, S B Penick & Co, Exmouth, Trieste
ROSEMARY OIL—11 dms, Exiria, Alicante
SAGE LEAVES—82 bls, Chase National Bank, Exmouth, Rijeka
OIL—1 dm, Exiria, Alicante
SANDALWOOD—2 cs, Indosea Corp, Louis Mch Howe, Bombay
OIL—9 cs, Volkart Bros, Louis Mch Howe, Bombay
SEEDLAC—41 bgs, P N Rowe Co, Riouw, Kohsichang
200 bgs, Parks Co, Riouw, Kohsichang
SESAMESEED—500 bgs, W G Scarlett Co, Cape Cumberland, Cristobal
SHARKLIVER OIL—4 cans, Strong, Cobb & Co, African Sun, Capetown
34 dms, Collet-Week-Nibecker, Gerda Dan, Valparaiso
TANKAGE—79 bgs, Armour & Co, Wideawake, Buenos Aires
TANTALITE ORE—21 bgs, American Chief, London
TEA WASTE—100 pkgs, Harrison & Crossfield Co, Sally Maersk, Hongkong
TUNG OIL—300 tons, S L Jones Co, Sally Maersk, Shanghai
400 tons, Pacific Vegetable Oil Co, Sally Maersk, Shanghai
95 tons, National City Bank, Sally Maersk, Shanghai
WATTLE EXTRACT—3,688 bgs, Barkey Importing Co, African Sun, Mombasa
1,146 bgs, Vermilye Corp, African Sun, Mombasa
WHITING—1,600 bgs, Hillcrest Park, London
700 bgs, H J Baker & Bros, Boston City, Bristol

Philadelphia

November 19 to November 23

ASBESTOS FIBER—5,600 bgs, Chas Kurz Co, Robin Mowbray, Beira
2,000 bgs, Keasbey & Mattison Co, Robin Mowbray, Beira
BERYL ORE—500 bgs, Pellow Wilson Sons Co, Mormacfir, Recife
FERTILIZER—1,147 cks, Baugh & Sons, Mormacmar, Buenos Aires
20 bgs, Baugh & Sons, Mormacmar, Buenos Aires
GAS-PURIFYING MATERIALS—500 tons, Alpha Lux Co, Black Eagle, Rotterdam
GYPSUM, CRUDE—5,812 tons, United States Gypsum Co, Gypsum King, Hantsport
LEAD—277 ingots, American Farmer, London
MANGANESE ORE—9,697 tons, E J Lavino & Co, Aspromonte, Poti, USSR
999 tons, Frank R Samuels Co, Vinni, Calcutta
OLIVE OIL—100 dms, Central Hanover Bank & Trust Co, Exanthia, Malaga
PETROLEUM, CRUDE—119,268 bbls, Gulf Oil Co, Gulftown, Puerto La Cruz
111,981 bbls, Socony Vacuum Oil Co, Aristophanes, Fahaheel
120,611 bbls, Atlantic Refg Co, Atlantic Exporter, Pamatacual
91,346 bbls, Socony Vacuum Oil Co, Mosli, Covenas
131,000 bbls, Gulf Oil Co, Ulysses, Fahaheel
119,621 bbls, Gulf Oil Co, Gulfglow, Puerto La Cruz
113,878 bbls, Gulf Oil Co, Gulfbrand, Fahaheel
64,000 bbls, Esso Export Corp, Horace See, Aruba
102,596 bbls, Gulf Oil Co, Gulfhawk, Las Piedras
105,639 bbls, Atlantic Refg Co, Atlantic Belgium, Puerto La Cruz
120,922 bbls, Gulf Oil Co, R E Wilson, Puerto La Cruz
116,715 bbls, Gulf Oil Co, Gulfmeadows, Puerto La Cruz
109,369 bbls, Socony Vacuum Oil Co, Tascalusa, Fahaheel
119,878 bbls, Atlantic Refg Co, Atlantic Traveler, Pamatacual
WHITING — 3,650 tons, Philadelphia National Bank, Empire Newfoundland, London

Oils and Fats Imports, Exports: January-Sept.

Statistics on United States exports of fats, oils and oilseeds during the first nine months of this year and imports of vegetable oils and oilseeds have been released by the Office of Foreign Agricultural Relations, Department of Agriculture. The figures are as follows:—

Exports

		January-Sept. 1948[1]	January-Sept. 1947
Coconut oil, refined	lb.	8,556,000	2,893,000
crude	lb.	9,448,000	43,847,000
Cooking fats	lb.	2,518,000	2,832,000
Cottonseed oil, refined	lb.	20,496,000	3,148,000
crude	lb.	3,351,000	22,000
Lard	lb.	199,081,000	286,640,000
Linseed oil	lb.	24,744,000	4,428,000
Oleomargarin	lb.	2,952,000	13,077,000
Peanut oil, refined	lb.	667,000	694,000
Peanuts, shelled	lb.	250,821,000	126,672,000
Not shelled	lb.	6,510,000	14,409,000
Soybean oil, refined	lb.	32,976,000	25,990,000
crude	lb.	36,793,000	38,865,000
Soybeans	bu.	2,319,000	1,142,000
Tallow, edible	lb.	1,267,000	452,000
inedible	lb.	7,247,000	35,992,000

Imports[2]

		January-Sept. 1948[1]	January-Sept. 1947
Babassu kernels	lb.	37,283,000	22,013,000
oil	lb.	1,224,000	1,323,000
Castor beans	lb.	217,753,000	179,830,000
oil	lb.	1,424,000	6,595,000
Coconut oil	lb.	60,616,000	17,523,000
Copra	short tons.	350,776	471,124
Flaxseed	bu.	1,046,000	280,000
Linseed oil	lb.	3,061,000	117,311,000
Oiticica oil	lb.	14,443,000	7,674,000
Olive oil, edible	lb.	26,303,000	7,670,000
inedible	lb.	7,639,000	227,000
Palm oil	lb.	40,793,000	50,250,000
Sesame seed	lb.	21,033,000	8,619,000
Teaseed oil	lb.	3,397,000	5,682,000
Tucum kernels	lb.	12,487,000	16,887,000
Tung oil	lb.	92,924,000	89,358,000

[1] Preliminary.
[2] Imports for consumption.

Sumner Chemical Engages Williams

Lewis D. Williams has joined the Sumner Chemical Company in a technical sales capacity, with headquarters in its New York office. He was formerly instructor of chemistry at Washington & Lee University.

P.A.'s Eye View

—Continued from page 5

there are soft spots developing. An increasing number report small to substantial layoffs and short working time. Reduction of backlogs shows up first in a curtailment of initial manufacturing operations, and work-in-process moves rapidly into finished goods.

Reluctance of many manufacturers to stockpile the finished products is reported to be influencing employment and work schedules.

Canada

Production and backorders are holding about the same as last month—high. Prices static, but some indications of softness. Inventories down. Employment good. Some seasonal layoffs. Buying policy the same as in the States.

FOR SEDATION WITHOUT HYPNOSIS

Carbromal
Acetyl Carbromal
Bromisovalerylurea

FOR HYPNOSIS WITHOUT HANGOVER

Pentobarbital Sodium USP

FOR EUPHORIA—

Amphetamine Salts
Desoxyephedrine Salts

And for other chemicals for other uses, why not get the habit of saying

"Let Sumner make it"

SUMNER CHEMICAL COMPANY, INC.
Organic Chemical Specialties
ZEELAND, MICHIGAN

General Sales Office: 52 Wall Street, New York 5, N. Y.
HAnover 2-0533

Drug Misbranding

—Continued from page 5

tainer. But the second clause does not say 'accompanying such article in the package or container,' and we see no reason for reading the additional words into the text.

Accompanying Not Only Physical

"One article or thing is accompanied by another when it supplements or explains it, in the manner that a committee report of the Congress accompanies a bill. No physical attachment one to the other is necessary. It is the textual relationship that is significant. The analogy to the present case is obvious. We need not labor the point.

"The false and misleading literature in the present case was designed for use in the distribution and sale of the drug, and it was so used. The fact that it went in a different mail was wholly irrelevant whether we judge the transaction by purpose or result. And to say that the prior or subsequent shipment of the literature disproves that it 'is' misbranded when introduced into commerce within the meaning of section 301 (a), is to overlook the integrated nature of the transactions established in this case.

"Moreover, the fact that some of the booklets carried a selling price is immaterial on the facts shown here. As stated by the Court of Appeals, the booklets and drugs were nonetheless interdependent; they were parts of an integrated distribution program. The act cannot be circumvented by the easy device of a 'sale' of the advertising matter where the advertising performs the function of labeling.

"Petitioner points out that in the evolution of the act the ban on false advertising was eliminated, the control over it being transferred to the Federal Trade Commission. . . . We have searched the legislative history in vain, however, to find any indication that Congress had the purpose to eliminate from the act advertising which performs the function of labeling. Every labeling is in a sense an advertisement. The advertising which we have here performs the same function as it would if it were on the article or on the containers or wrappers. As we have said, physical attachment or contiguity is unnecessary under section 201 (m) (2)."

The Urbuteit case reached the supreme court on appeal by the United States from a ruling of the United States Circuit Court of Appeals for the Fifth Circuit holding that because the leaflets had not moved in interstate commerce along with the devices they were not part of the labeling and thus the device could not be considered misbranded.

In overruling the lower court, the supreme court said that it could not read in section 304 (a), under which the device had been condemned, a requirement that the advertising matter had to travel with the machine. The common sense of the matter is to view the interstate transaction in its entirety—the purpose of the advertising and its actual use.

"In this case it is plain to us," Justice Douglas said, "that the movements of machines and leaflets in interstate commerce were a single interrelated activity, not separate or isolated ones. The act is not concerned with the purification of the stream of commerce in the abstract. The problem is a practical one of consumer protection not dialectics. The fact that the false literature leaves in a separate mail does not save the article from being misbranded. Where by functional standards the two transactions are integrated, the requirements of section 304 (a) are satisfied, though the mailings or shipments are at different times."

Minority Agrees in Principle

Justice Hugo Black, who prepared the minority decision, said that he agreed that a drug is misbranded within the meaning of the statute if false and misleading written, printed, or graphic matter is either placed upon the drug, its container or wrappers, or used in the sale of the drug as a supplement to the package label to advise consumers how to use the drug. He agreed that false labels may, within the meaning of the statute, "accompany," that is go along with, a drug on its interstate journey even though not in the same carton, on the same train, in the same mail, or delivered for shipment the same day.

But, he added, the act does not propose to make all misbranding of drugs within the foregoing definition a Federal offense.

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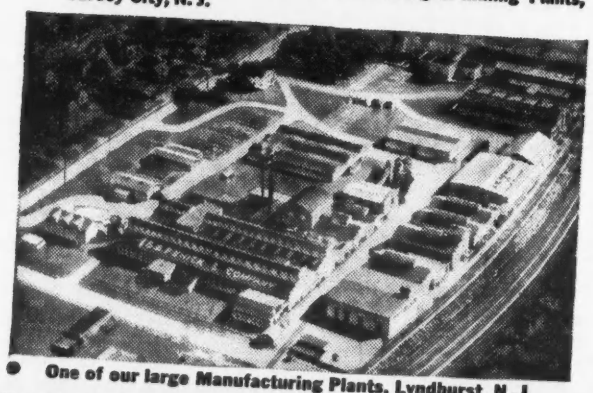

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Botanical Drugs, Spices, Gums

Inactivity on the part of buyers covered the botanical market as a shroud last week. Beyond a trifling amount of jobbing demand, the call for merchandise was very small and reached the spot irregularly throughout the entire period. Pricewise, the market on medicinal botanicals held very steady and many thought prices were too low. In condimental items, Far Eastern merchandise was the feature, especially cardamoms, cassias and clove. Furthermore, Dutch poppy seed was so scarce that boards at the bottom of the bins were showing. Demand for these flavoring entities was at very low volume and orders were few. The market index held at 199.8 as compared with 256.2 prevailing last year.

Moroccan fenugreek was slightly higher and so was gum arabic. Blue cohosh was down moderately and Jamaica ginger sold lightly at a reduction. Benzoin gum lacked demand sufficient to maintain prices and the market was lower. Mexican vanilla beans were cheaper and tentative prices were restored on Bourbons. Some reaction came in spot and nearby black pepper prices but futures were maintained. Fractional declines were noted in Chinese and Syrian anise.

The red tape around export business was loosened when the Office of International Trade placed ginseng and mandrake roots on its "GRO" list—which meant they could be exported without a license. Also, crude drugs, herbs, leaves, and roots not specifically stated went into the same category—with these exceptions. Belladonna leaves and root, coca leaves, crude ergot, ergot of rye, digitalis leaves and seeds, nux vomica, flowering stramonium tops and dried roots, and pyrethrum roots still require a license. The OIT said the additions to the "GRO" list were "currently in free supply, and export shipment of these goods to any destination will not interfere with the furtherance of United States foreign policy."

Information from the domestic primary collection market was as follows: "Collection here has been very short this year, and in many items there will not be enough to go around. They will, of course, be higher. We do not believe that the demand for botanics as a whole will be as much as the last few years . . . Buying is practically at a standstill; there are very few herbs to be obtained, except a few roots and barks that can be collected in winter."

Balsams

Copaiba—Information from the origin suggested that there was little material available there for export business. The market here had a tendency to strengthen in reflection of that position.

Tolu—A firm market had little to do with demand for this product; the call was mainly for small, jobbing quantities the total of which was not substantial in size. Firmness in price related to replacement cost and the situation here was said to be warranted in all respects.

Barks

Black Haw—Root bark stocks were conservative but at the rate of current demand, it may well be that needs will be supplied out of a distinctly conservative total collection.

Cottonroot—Prices offered for new crop collection do not appear to be especially remunerative and some collectors believe that not too much will go into primary market warehouses this year. Locally, an inactive market continued free from change.

Sassafras—Come the turn of the year, demand intended to cover Spring requirements was expected to show growth and buyers won't find an over supply against which to draw this year. Pricewise, some look for some improvement in returns to sellers when trade becomes broader and larger.

Beans

Vanilla—Tentatively, a spot price of $5.25 to $5.50 per pound was proposed on Bourbon beans but local dealers continued to indicate that sales had been so few that it was difficult to ascertain what the commodity would bring under active demand. Mexican whole beans were lower at $5 to $6 per pound and cuts were obtainable at $4.50 to $4.75. On the whole, buyers continued to display marked reserve in their undertakings.

Berries

Juniper—Only jobbing business developed during the past week and there was not much of that at any time during the period. Prices continued without change, being comparatively low but still in line with what was paid for merchandise in the European market when goods were last purchased.

Raspberries—Demand was light. So were spot stocks. Prices were very firm, reflecting the fact that at current levels there were in line with what was paid for the not large number of berries processed this year in the primary market.

Flowers

Calendula — Most suppliers felt that present stocks were sufficient for all probable requirements during the months ahead. The European prices were not especially favorable this year and local quotations were expected to show resistence to decline.

Saffron—Attempt to beat down the quotations on Spanish flowers met with little if any success last week. Sellers remained very firm in their views, refusing orders at less than $23 per pound in most instances. Compared with demand stocks were in excellent position. Mexican flowers held at $1.25 to $1.40 per pound.

Gums

Arabic—Sorts were a fraction higher at 12¾c. to 14c. per pound, the range covering questions of seller and quantity in request. A few sources intimated that they were in temporary low supply. Demand was conservative, showing the effect of the approaching period of inventory activity on the part of buyers.

Benzoin—Sumatra gum was more com-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Fenugreek seed, Moroccan, ½c. per lb.
Gum arabic, sorts, ¼c. per lb.

Other Articles

Cardamom fruit, bleached, bold, 10c. per lb.
medium bold, 10c. per lb.
decorticated, Guatemalan, 7c. per lb.
Cassia, China, rolls, select, ½c. per lb.
select, broken, 1c. per lb.
Kwangsi, ½c. per lb.
Saigon, broken, 1c. per lb.
thin, 1c. per lb.
Yunnan, ½c. per lb.
Clove, Madagascar, ½c. per lb.
futures, 1c. per lb.
Laurel leaves, Greek, 1c. per lb.
Mustard seed, Montana, yellow, ¼c. per lb.
yellow, ¼c. per lb.
Pepper, white, 1c. per lb.
Poppyseed, Dutch, 1c. per lb.
Sage, Dalmatian, 1c. per lb.

Prices Reduced

Drugs

Cohosh root, blue, 1c. per lb.
Ginger root, Jamaica, No. 1, ½c. per lb.
No. 2, ½c. per lb.
Gum benzoin, Sumatra, 2c. per lb.
Vanilla beans, Mex., whole, 50c. per lb.
cuts, 25c. per lb.

Other Articles

Allspice, Mexican, ¼c. per lb.
Anise, Chinese, ½c. per lb.
Syrian, ½c. per lb.
Celery seed, French, ½c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
Laurel leaves, Turkish, ¼c. per lb.
Mustard seed, English, yellow, ½c. per lb.
Pepper, black, 2c. per lb.
futures, nearby, 1c. per lb.
Thyme, French, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
199.8	199.8	201.8	256.2

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ending November 19

New York

Celery seed, 120 bags: filthy.
Chillies, 570 bags: filthy.
Coriander seed, 1,250 bags: filthy.
Mustard seed, 7,000 bags: filthy.
Nutmegs, 250 bags: wormy and moldy.
Pepper, black, 62 cases: short weight; insect filth; moldy and insect bored.
Sago, 40 bags: filthy.
Sesame seed, 80 bales: live and dead insects.
Teaseed oil, 88 drums: inedible.

Baltimore

Pepper, black, 200 bags: moldy; insect damaged.

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ORRIS ROOT
PAPAIN
QUASSIA CHIPS
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SENNA LEAVES
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VALERIAN ROOT

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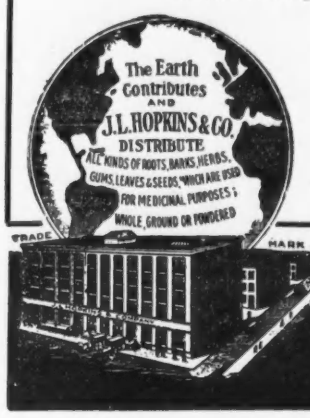
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Tamarinds are used in their native countries in making a cooling drink much relished by persons afflicted with fever. The modern doctor would do well to become more familiar with the grateful, home-made drink that tamarinds afford the parched fever-sufferer.

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petitive and the market was shaded to 38c. to 40c. per pound. Demand has not been up to normal and between now and the turn of the year it was expected to show further contraction. Local stocks were of ample size.

Herbs and Leaves

Belladonna—This article remains one of the botanical drugs requiring an export permit before it may be shipped out of the country. Numerous other botanicals have been removed from the license-required list. The market last week was steady but quiet.

Digitalis — Before this article, or its seed, may be exported, the Federal government requires that an export license still be secured. Some botanicals have been exempted from license requirement. The spot market was well stocked with excellent quality merchandise but the movement into consumption was routine. Much of the domestic crop has been already sold into consumption on contract.

Laurel—The market was not very active but old crop Greek goods were higher at 8c. to 8½c. per pound. Turkish was a fraction lower at 13¼c. to 13¾c. Portuguese material lacked change.

Sage—Dalmatian was firmer and, by the close of last week, higher in price at 24c. to 24½c. per pound. The balance of the sage group lacked new development so far as quotations were concerned.

Thyme—Prices on French goods were shaded to 18½c. to 19c. per pound. Spanish held little interest for anyone but the market prices remained very steady in the absence of competition.

Miscellaneous

Cantharides — Just sufficient jobbing business was done to bring confirmation of recently quoted prices on Chinese flies. High prices has all but totally eliminated interest in Russians.

Ergot—Those desiring to export this article must still obtain an export license from the proper governmental authority. Some botanicals have been removed from such requirement. The market had a firm undertone last week, prices being well maintained and in line with the well supported shipment prices from abroad.

Roots

Arrow—Leading suppliers of this article declared that the stock was far from being substantial in size but that most moderate demands for powdered material were being satisfied on the basis of 13c. to 16c. per pound, quoted according to quantity.

Belladonna—Although some botanicals have been removed from the list of materials requiring export licenses, belladonna root was not one of them and exporters still must have a license to move goods out of the country.

Blood—Though not openly reduced in price, inactivity on the part of buyers has weakened market undertones and induced more willingness to shade quotations when firm orders should develop.

Gentian — Foreign shippers have not eased their price views in cable received from Europe during the past week. The last movement was an advance. Spot quotations proved to be exceptionally firm and some improvement in demand was expected to come with the turn of the year. Dealers have been restocking in anticipation.

Ginseng—Prior to this time, sellers desiring to export this article have been compelled to get an export license from the proper governmental authority. Such is no longer the case. By action of the Office of International Trade, ginseng root was placed on the "GRO" list, an official compilation of merchandise not requiring licenses for exports. The Current Export Bulletin is No. 494. The OIT says this root is currently in free supply.

Mandrake—The Office of International Trade has found this root to be currently in free supply and export of the same to any destination will not interfere with the furtherance of the United States foreign policy. Therefore, OIT has placed mandrake root on its "GRO" list of materials that may be exported without a license. The only trouble with this would seem to be that some dealers in the article might argue the matter of "free supply." Evidence of this may be found in the advance of prices from 35c. per pound in April of this year to at least 48c. and, in the case of some spot quotations, to 50c. per pound. Large quantities had ready buyers around 40c. last September.

Rhatany—The market at the source asked higher prices on shipment goods and spot quotations were up to 10c. to 11c. per pound.

Seeds

Anise—Cyprian seed was purely nominal on spot, 20c. per pound being mentioned. Chinese star anise was a fraction lower at 18c. to 18½c. The same price ruled on Syrian material.

Cardamom—The market rose further. Bold, bleached seed was $2.25 to $2.35 per pound; medium bold, $1.90 to $1.95; decorticated, Quatemalan, $1.85 to $1.88.

Celery—French seed alone changed price. It was lowered to the basis of 26½c. to 27c. per pound.

Fennel—Indian seed on the spot was higher at 13c. to 13½c. per pound. No change came in the seed from Argentina.

Mustard—English yellow was down to 15c. to 15½c. per pound. Montana yellow was a fraction higher at 11¾c. to 12¼c. per pound, f.o.b. the source. Dutch and Danish seed failed to change.

Poppy—Dutch seed was in very low supply and the market here continued to be advanced. It ended the past week at 23c. to 23¼c. per pound and firm offerings were hard to find. A similar situation prevailed in Danish material.

Spices

Allspice—Mexican merchandise was a fraction lower at 13¼c. to 13¾c. per pound. Jamaica pimento remained unchanged at 24c. to 24½c.

Cassia—Cables on China cassias were stronger and higher last week. Spot prices also moved upward. Selected China rolls reached 11¾c. to 12¼c. per pound; selected broken, 11c. to 11½c.; Kwangs rolls, 12c. to 12½c. Yunnan rolls, 19c. to 20c.; Saigon cassia, all medium, 35c. to 35½c.; all thin, 41c. to 41½c.; broken 28c. to 29c.

Cinnamon — Though still subject to strength in the primary market, this article on spot was lower at 28c. to 29c. per pound but only moderate quantities of Ceylon No. 2 were being so offered.

Clove—Madagascar continued to raise shipment prices. As high as 15c. per pound was cabled by some shippers and the lowest price received was 13c. Spot Madagascars were raised to 12c. to 12½c. Zanzibar spice remained very steady at 18c. to 18½c.

Ginger—Jamaica No. 1 was fractionally lower at 28c. to 28½c. per pound; No. 2, 27c. to 27½c. African root showed no new development but it was priced very close to replacement cost as indicated from London recently.

Pepper—Pepper prices stepped down a way from the higher levels prevailing late in the previous week. Black pepper in prompt delivery position closed last week at 83c. to 85c. per pound; futures, nearby, 80c. to 81c.; distant futures, 55c. to 67c. White pepper, slightly higher at 84c. to 85c.

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Essential Oils, Other Aromatics

With the end of the year in sight, demand for essential oils dropped moderately last week. It could not decrease very much because it was already far below the normal call for merchandise and most sellers said last week that it had been almost record low of late. Pricewise, the market was sufficiently steady to hold the market index unchanged at 100.5 as compared with 151.1 prevailing just a year ago.

The fact that some essential oils arriving from overseas during the past fortnight remain undischarged from the ships entering the port since the dock strike began has not been of much influence on this market. The fact was that dealers' inventories were more than sufficient to keep deliveries moving well up to consumers' requirements without the necessity of drawing on arriving merchandise even though it had been available—which it was not. Of more immediate concern was the labor trouble arising among truckers unsatisfied with their lot to the point of seeking readjustments in pay through the medium of a strike.

However, this is the time of year when consumers normally withdraw from the market if for no other reason than to keep inventories as low as possible. It was therefore believed that the present situation would have little effect on immediate activities and that if shipments must be interrupted, the interruption could not come at a better time of the year.

Cables received during the past week showed little or no change in the foreign markets where holiday dullness has also set in. Far eastern oils were possibly a shade firmer, except anise which declined moderately. European oils were very dull and replacement costs were, in the main, favorable.

Market Trends

Prices Advanced

Birchtar, rectified, 25c. per lb.
Cardamom oil, NF, $5 per lb.

Prices Reduced

Ethyl acetate, 3c. per lb.
Grapefruit oil, 5c. per lb.
Ylang-ylang oil, firsts, $1.15 per lb.
seconds, 50c. per lb.
thirds, 25c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
100.5	100.5	101.0	151.1

(For Current Prices see Page 9)

Essential Oils

Almond—Demand was on a hand-to-mouth basis and totaled small figures by the close of last week. However, the local market lacked much in the way of price competition and sellers maintained a steady market while awaiting further developments in demand here and replacement abroad.

Angelica—Jobbing business was light. Buyers were mainly aloof from the spot and a dull week also failed to bring any new developments as regarded prices for root and seed oils. Undertones were reported to be as steady here as they were in foreign parts.

Anise—The market held virtually strong. It was a strength more related to the situation in the primary market than to the current volume of consuming demand coming to the spot. Prices ranged 78c. to 90c. per pound according to dealer but most of them were minimum at 85c. Late cables were lower, leaving the primary market a net rise of 2c. from the recent low.

Apricot Kernel—Stocks were moderate in size and not likely to do anything but decrease until another crop shall renew offerings of apricot kernels to those who produce the oil. Demand was sufficient firmly to maintain quotations in all directions.

Bay—New business consisted mainly of orders for relatively small lots of both varieties. However, to reflect the firmness that has featured the replacement market for some time past, local dealers maintained quotations sturdily and rejected most buyers' bids.

Bergamot—Inactivity seemed to have softened the market considerably and conditions favored those disposed to make reasonable bids for prompt deliveries of Italian oil. Openly quoted usually at $3.75 to $6 per pound, it was intimated that this might be shaded by 5c. per pound in one local direction.

Bois de Rose—Replacement cables showed no weakening of the primary market and on spot quotations ruled in steady fashion despite the fact that buying was mainly for immediate or nearby needs.

Cajeput—Competition could be found locally without too much hunting but the situation did not extend to a further reduction in prices on technical oil in the open market quotations. Stocks seemed readily to meet the currently light request.

Caraway—Raw material prices appeared to have stiffened some in primary markets but the shipment quotations on oil changed very little while those for spot goods merely held steady though dull.

Cardamom—Some quarters got around to raising prices to a small extent and in such directions $32 per pound was being asked during the past week. The lowest on N. F. quantity was $28, quoted in reliable quarters. Demand merely simmered; buyers' takings were in small lots.

Cassia—Were stocks not so ample in local circles, it would not surprise if higher quotations developed. At least, the primary market situation would suggest such a possibility if deliveries of oil from interior points to the shipment ports shall meet interference connected with the political situation in China. However, most large consumers hold fair sized inventories.

Cedarleaf—Some improvement in small lot buying was reported in a few directions but, in the main, transactions were on the slow side of trade and the market did little but remain steady in price.

Cedarwood—Demand was on a hand-to-mouth basis last week but in keeping with the replacement position of this article, dealers held prices to a relatively firm spot basis and were not usually disposed to accept whatever bids buyers might make.

Citronella—Market developments contained no oddities last week. Sellers failed to shift prices on either varieties of this oil and they received sufficient business to contribute considerably to the general stability governing quotations generally. Replacement cables showed firmness the main characteristic at the source.

Clove—Spice in its dual primary markets showed no further change and cables merely emphasized the firmness with which shippers priced replacement quantities to the spot. Oil fully reflected primary market stability even though immediate demand for prompt delivery goods was not very active. Stocks were fair.

Costus—Occasional sales in small lots merely confirmed recent quotations on an article not in wide distribution on spot.

Dill—Weed oil remained very firm and the local market lacked competition necessary if the item were to become more favorably priced for manufacturing consumers. Stocks were relatively light and were held in strong hands convinced that goods in hand will ultimately move completely into consumption. Seed oil was priced but mention of the article got no further.

Fir—Stability has succeeded price unsettlement and it was supposed last week that the spot quotations at last have sunken into proper relationship with primary market costs. Demand was merely for small lots and not many of those moved.

Geranium—Open quotations showed no change but there was no mistaking the competitive character of the market and, hence, orders for attractive quantities stood a chance of being accepted at less than the market as currently quoted last week.

Ginger—Producers intimated that they see no reason to expect prices on raw material to decline materially in the nearby future despite the slightly larger local competition. Oil remained very steady at recently prevailing levels and was expected so to continue for the immediate future under the influence of moderate but fairly steady demand from manufacturing consumers.

Grapefruit—Although the new crop season goes forward. The effect thus far on prices has been moderate. The market was 5c. lower last week, standing at $1.10 to $1.60 per pound.

Lavender—Buyers' takings last week were conservative. Most of the larger users held ample inventories of excellent quality oil and, of course, such holders played no part in the market last week. Smaller users of the item traded about as necessity dictated and the result was a

For Late Market Developments, See Page 4

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moderate volume of buying done on the basis of prices generally well supported locally.

Lemon—A fair business was reported but the larger selling developed when confectioners prepared for the holiday trade had disappeared from the market last week. Pricewise, the market under routine request proved to be a very steady affair.

Lemongrass—Selling was steady in fair sized quantities last week and the business was done under conditions but moderately competitive so far as the spot market was concerned. No change came in spot quotations which, for the most part, were in line with costs.

Lime—The hard candy trade was not in the market last week, holiday requirements having been covered some time back at fairly attractive prices for an article not available in more than moderate quantities when it came to high quality merchandise.

Nutmeg — Oil prices remained steady. Supply versus demand posed little of a problem during the past week, deliveries being on an excellent basis at prices little subject to fluctuation.

Orange—Stability still ruled prices for most varieties of expressed oil and under the sustaining influence of a fair request, the market was steady throughout the past week and it was felt that production from new crop fruit would probably come on the market at levels closely approximating those not ruling.

Palmarosa—The market was quiet. Absence of a more substantial interest on the part of consumers failed adversely to effect the price views of local suppliers. On the contrary, dealers' views proved to be very steady and no disposition to shade prevailed.

Pimento—Replacement costs proved sufficiently firm to hold spot prices steady regardless of the lack of more than jobbing request last week. The cost of production was said to be firm.

Peppermint—Under quiet demand, the market held steady as to prices, and sellers were of the opinion that the unsold balance of the 1948 crop will not sell much if any below the price levels currently in force on the spot. Very little selling pressure exists since most primary market holders show little tendency to thrust goods forward at less than the prices maintained at the source over the past several weeks. Demand was mainly for relatively small lots during the period just ended.

Petitgrain—Although admitting that the market was still subject to considerable competition, dealers failed to make any further reduction in their open quotations. Nor is any likely to be made unless a material decline take place in the source market.

Sassafras — The market was generally steady. New production of natural oil produced in this country has not been priced much more favorably this year than it was a year ago and, hence, dealers have maintained a firm approach to sales and have been able to eliminate price shading most of the time.

Snakeroot—Few holders of spot oil were noted but the limited quantities that were available were in very firm hands and not the least bit subject to competitive shading of quotations. Demand has been light but more than sufficient to hold the market steady.

Spearmint—The market seemed to be soft and while dealers failed to report any reduction in quotations during the past week, conditions were such as to suggest that the prices named might occasionally be shaded when business proved to be attractive. A portion of current weakness traced to lack of demand.

Sweet Birch — Distillation during the past year was conservative in volume and was done at a cost opposed to any material shading of the current market. Demand was routine in all respects.

Tansy—Though lightly stocked and not in wide distribution on the spot, the market was quite to the point of dullness without weakening the price views of local dealers. The carryover into the new production season was forecast as likely to be small.

Vetiver — Unchanged prices contrasted with a change in demand to a level hardly exceeding jobbing requirements during the past week. Dealers kept prices in line with replacement costs and last cables showed no further easing of the shipment position.

Ylang Ylang—Prices varied widely according to dealer and the quality of oil being offered. Firsts stood as low as $8 per pound and as high as $15; seconds, $5 to $10; thirds, $3 to $7.50. The market still held some of the unsettlement that recently brought a downward revision of numerous spot quotations.

Aromatic Chemicals

Coumarin—Demand was steady and so were prices. The supply situation has undergone sufficient improvement to make deliveries reasonably prompt and in full. Little competition was possible because of the well maintained cost to produce this item.

Ethyl Acetate—Prices on the N. F. quality of this item were lower at a minimum of 23c per pound. According to seller and quantity, the range was to 38c. This was in line with recent developments in the price for technical material.

Ethyl Vanillin—Demand was routine and about up to the recent normal call for the article which was in fair supply throughout the period on the basis of $6.75 per pound.

Eugenol—Stable prices for this article

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reflected the lack of real weakness in the position of raw material. Demand was not very large but it had a steady quality that supported prices well.

Ionones—The supply was very good, rather better than demand in fact. However, prices have not weakened further though it was said that competition for larger business was quite keen.

Methyl Anthranilate—Trading in most instances covered immediate needs of a not large number of buyers. Prices proved to be very steady and well stabilized in the absence of competition.

Obituaries

Thomas B. Berentsen

Thomas B. Berentsen, director of purchases for Magnus, Mabee & Reynard, Inc., essential oils, New York, died suddenly on November 20 while on a hunting trip at Lake Mahopac, N. Y. He was thirty-eight years old.

Mr. Berentsen joined the essential oils house three years ago following his release from the United States Navy, where he held the rank of Commander. During the war, he saw service in the Pacific theater. Prior to that, he was a general partner of Ingalls & Snyder, a New York investment firm, and a member of the New York Curb Exchange.

Robert P. Gould

Robert P. Gould, retired purchasing agent of the Heyden Chemical Corporation, New York, died November 21 in New Rochelle hospital, New Rochelle, N. Y. He was sixty years old. Mr. Gould had been associated with the chemical company for twenty-five years when he retired two years ago.

J. Gordon Rowe

J. Gordon Rowe, founder and president of the Rowe Paint & Varnish Company, Niagara Falls, N. Y., died November 23 in that city. He was sixty-four years old.

A native of Canada, Mr. Rowe set up the first dry color plant in the dominion in 1906 under the name of Imperial Varnish & Color Works. He was subsequently superintendent of the Atlantic Color Works, Brooklyn, N. Y., and the Forest City Paint & Varnish Company, Cleveland, forerunner of the Glidden Company. He later served as works manager of the Phelan Faust Paint Manufacturing Company, St. Louis, before establishing his own company in 1920

Edward H. Valance

Edward H. Valance, manager of the technical service department of Spencer Kellogg & Sons, Inc., Buffalo, N. Y., died November 19 at his home in that city. He was fifty-one years old. Mr. Valance had joined the Spencer Kellogg organization in 1921 as a member of the staff of its control and research laboratories, and was named manager of the technical service department when it was formed in 1933.

Frederick J. Barnes, vice-president and treasurer of the New York & New Jersey Lubricant Company, New York, died November 21 at his home in Bay Shore, Long Island. He was eighty-five years old. Mr. Barnes had been associated with the lubricant company for more than forty years.

John C. Brown, chief chemist of the American Butter Institute, Chicago, died November 22 of a heart attack on a commuter train on the way to his home in La Grange, Ill. He was seventy-three years old.

Austin W. Clark, treasurer and comptroller of the Carborundum Company, died November 21 in Lewiston, N. Y., of a heart attack. He was fifty-three years old.

Brent S. Drane, former member of the National Resources Planning Board and former state geologist and director of the North Carolina Geological and Economic Survey, died November 23 in Durham hospital, Chapel Hill, N. C. He was sixty-seven years old.

Thomas S. Holt, founder and former president of the Holt Oil Company, Federalsburg, Md., died November 21. He was seventy-six years old. Mr. Holt founded the oil company in 1928 and served as its president until his retirement two years ago.

Harry E. James, retired office manager of the William R. Warner Company, pharmaceutical manufacturer, New York, died recently in Columbia-Presbyterian Medical Center. He was seventy-four years old. Mr. James retired from the pharmaceutical firm in 1922.

John R. Nolan, patent attorney of the Diamond Match Company and co-inventor of the book match, died recently at his home in New Rochelle, N. Y. He was seventy-nine years old.

Harry I. Pankard, vice-president of Herman Scott Chalfant, paper mill representative, New York, and former president of the Frank Gilbert Paper Company, Waterford, N. Y., died November 21 in New York hospital. He was sixty-seven years old.

Antoine Chiris Appoints Saul

Antoine Chiris Company, essential oils and aromatic chemicals, New York, has appointed Dr. Everett L. Saul chief chemist, effective December 1. Dr. Saul taught organic chemistry at Columbia University for four years before entering the industrial aromatic chemical field, and has spent the past fourteen years in commercially developing perfume, flavor and allied chemicals.

Essential Oils Jan.-May Exports Of Netherlands Indies Reported

Exports of essential oils from the Netherlands Indies during the first five months of 1948 totaled 77,460 kilograms, valued at 418,674 guilders, according to a recent report received from that area by the Department of Commerce. Of the total, 76,925 kilograms of citronella oil, valued at 367,122 guilders were shipped. During the year 1947, essential oil exports totaled 263,000 kilograms, valued at 3,435,000 guilders, of which 186,000 kilograms were citronella oil.

Katz Touring North America

Dr. Alexander Katz, president of F. Ritter & Co., manufacturer of essential oils and aromatic chemicals, is currently touring the North American continent, visiting the company's branches in New York, New Orleans, San Francisco, Seattle, Dallas, Vancouver, B. C., and Mexico City.

Trade Briefs

Cosmetics, toiletries and soaps exported from the bizonal area of Germany during the first four months of this year were valued at $24,800.

Essential oils exports from Madagascar and the Comoro Islands during the first four months of 1948 included the following items:—Clove, 189 metric tons; ylang-ylang, 5.2 metric tons, and others, 220.5 pounds.

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Oil Tank Advisers Named for OIC

Appointment of an Oil Terminal and Bulk Storage Industry Advisory Committee was announced November 16 by the Department of Commerce. The committee will advise and consult with the Office of Industry Cooperation regarding steel requirements of the industry under the voluntary agreements program.

The members of the advisory committee are R. H. Beck, of the Pittsburgh-Des Moines Steel Company, Pittsburgh; John M. Berry, of the Kennedy Tank & Manufacturing Company, Indianapolis; E. B. Biederman, of the General American Transportation Company, Chicago; Roger Bramble, of the Lacy Manufacturing Company, Los Angeles; Inge Grant, of the Wyatt Metal & Boiler Works, Dallas, Texas; James P. Hamilton, of the Chicago Bridge & Iron Company, Chicago; Tom Harle, of the Graver Tank & Manufacturing Company, East Chicago, Ind.; J. R. Hill, of the McNamar Boiler & Tank Company, Tulsa; F. E. Isemann, of the Butler Manufacturing Company, Washington; A. C. Keyes, of the Keyes Tank & Supply Company, Casper, Wyo.; Howard Kornberg, of the Fargo Foundry, Fargo, N. D.; Ralph E. Kramer, of Hammond Iron Works, Warren Pa.; R. C. Palmer, of the Birmingham Tank Company, Birmingham, Ala.; Joseph Redman, of the J. K. Welding Company, Brooklyn, N. Y.; James M. Rumsey, of the Columbian Steel Tank Company, Kansas City, Mo.; F. E. Scheffner, of the Lang Company, Salt Lake City; Eugene Stroud of the Modern Welding Company, Owensboro, Ky.

Natural Gas Flaring Checked in Texas

The first step toward the prevention of waste of natural gas in Texas fields was taken November 23 when the State railroad commission issued an order to stop disposing of escaping gas by burning in the Heyser oilfield in Calhoun county. The commission's records put the quantity of gas flared in that field at 21,000,000 cubic-feet a day.

The Heyer field is one of the seventeen smaller oil-producing areas in which flaring is being studied. Its operations are said to squeeze the natural gasoline from the gas before flaring. A later commission order, November 24, closed the other sixteen fields "until wasteful flaring of gas is stopped."

Sun Oil Names Anders Director of Purchases

Sun Oil Company, Philadelphia, has appointed Ray H. Anders director of purchases, to succeed Henry Thomas, who will retire on December 1. Roy A. Hurst has been named assistant director of purchases.

Rather of Socony-Vacuum Retires

J. B. Rather, who started with the company in 1918 as assistant chief chemist, has retired from the Socony-Vacuum Oil Company, and will move soon to San Antonio, Texas. He now lives at 160 Columbia Heights, Brooklyn.

Current Prices

—*Continued from page 31*

Zinc carbonate, tech., rubber makers, bbls., works	lb.	.10¾ -	12½
precip., powd., dms	lb.	.26 -	—
*Purified precip., dms	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	6.75 -	—
l.c.l., works	100 lbs.	7.15 -	—
gran., bbls., c.l., works	100 lbs.	7.50 -	—
l.c.l., works	100 lbs.	7.90 -	—
solution, 50%, dms., c.l., works,	lb.	.039 -	—
l.c.l., works	lb.	.045 -	—
tanks, works	lb.	.0325-	—
Chloride, NF, gran., dms	lb.	.40 -	.41
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.37	—
Diethyldithiocarbamate, dms., wks.	lb.	1.15 -	—
Dust, bbls., c.l., dlvd	lb.	.1780-	—
l.c.l., ship't point, frt. alld	lb.	.1785-	.1860
Fluoride, bbls., works	lb.	.40 -	—
Hydrosulphite, dms., works	lb.	.16 -	—
Iodide, NF, jars	lb.	4.85 -	—
Laurate, bbls	lb.	.45 -	.46
Linoleate, solid, 9½%, bbls	lb.	.51¾-	—
Metal slabs, E. St. Louis	lb.	.17½-	—
Naphthenate, liquid, 8% Zn., frt. alld	lb.	.21½-	.22
10% Zn, dms., frt. alld	lb.	.26¼-	.26¾
Oleate, bbls	lb.	.42¼-	—
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld	lb.	.13½-	—
l.c.l., works	lb.	.13¾-	—
American process, com'l. lead-free, bgs., c.l., ship't point, frt. alld	lb.	.13½-	—
l.c.l. works	lb.	.13¾-	—
leaded, 5%, bgs., c.l., ship't point, frt. alld	lb.	.13½-	—
l.c.l., works	lb.	.13¾-	—
35%, bgs., c.l., ship't point, frt. alld	lb.	.15¼-	—
l.c.l., works	lb.	.15¾-	—
50%, bgs., c.l., ship't point, frt. alld	lb.	.15⅞-	—
l.c.l., works	lb.	.16⅜-	—

'Paint Man of the Year'

William M. Stuart, president of the Martin-Senour Company, paint manufacturer, Chicago, has been named "Industry Man of the Year" by the Retail Paint and Wallpaper Distributors of America. The award, in recognition of Mr. Stuart's services to the industry in developing a new color system, was made at the recent annual meeting of the association in Chicago.

Zinc oxide, pigment, dom., French process, com'l. lead-free, bgs., c.l., ship't point, frt. alld	lb.	.13¾-	—
l.c.l., works	lb.	.16	—
green seal, bgs., c.l., ship't point, frt. alld	lb.	.15¼-	—
l.c.l., works	lb.	.15½-	—
red seal, bgs., c.l., ship't point, frt. alld	lb.	.14¾-	—
l.c.l., works	lb.	.15	—
white seal, bgs., c.l., ship't point, frt. alld	lb.	.15¾-	—
l.c.l., works	lb.	.16	—
USP, clns., c.l., ship't point, frt. alld	lb.	.16¾-	—
l.c.l., same basis	lb.	.17	—
zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.			
Phenolsulphonate, NF, gran., bbls., dms	lb.	.28 -	.29
powd., bbls.	lb.	.31 -	.32
Resinate, fused, 17% Zn, dms., frt. alld	lb.	.20 -	—
precip., dms., frt. alld	lb.	.27 -	—
Silicofluoride, bbls., works	lb.	.10 -	.10½
Stearate, etns., 2,000 lbs.	lb.*	.42 -	—
smaller lots	lb.	.43 -	—
Sulphate, cryst., 22% zn. bgs., c.l., works, frt. alld	100 lbs.	5.50 -	6.00
l.c.l., same basis	100 lbs.	5.90 -	6.45
flake, 25½% Zn., bgs., c.l. works	100 lbs.	5.75 -	6.40
l.c.l., works	100 lbs.	6.15 -	6.80
powd., 36% Zn., bgs., c.l., dlvd., same basis	100 lbs.	8.75 -	9.05
l.c.l., same basis	100 lbs.	9.50 -	10.05
Zinc sulphate in bbls, 40c. higher			
Sulphide, pure, bgs., c.l., dlvd	lb.	.13½-	—
l.c.l., works	lb.	.13¾-	—
Barium pigment, bgs., c.l., dlvd.	lb.	.08 -	—
l.c.l., works	lb.	.08¼-	—
Calcium pigment, bgs., c.l., dlvd.	lb.	.08 -	—
l.c.l., works	lb.	.08¼-	—
Luminescent pigment, frt. alld.	lb.	1.00 -	2.00
Magnesium pigment, bgs., c.l., dlvd	lb.	.06 -	—
l.c.l., dlvd	lb.	.06¼-	—
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.			
Yellow (see Yellow, zinc)			
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.30
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1300
l.c.l., same basis	lb.	.1220-	.13
Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld.	lb.	.17 -	—
normal, dms., works, frt. alld.	lb.	.35 -	—
Zinc-iron oxide pigment, bgs., c.l. dlvd	lb.	.08½-	—
Pac. coast	lb.	.09¼-	—
l.c.l., dlvd. E. of Rockies	lb.	.09 -	—
Pac. coast	lb.	.09¼-	—
Zircon (see Zirconium silicate).			
Zirconium acetate, solution, bbls., works	lb.	.25½-	—
Carbonate, basic, cake, bbls., works	lb.	.30½-	—
Hydride, cns., works	lb.	7.00 -	—
Oxide, 99½-99% white, grd., bbl. or bgs., works	lb.	1.50 -	—
lump, electric-fused, bgs., c.l. works	lb.	.44 -	—
5 tons, works	lb.	.44½-	—
1 ton or less, works	lb.	.45 -	.48
milled, electric-fused, bgs., c.l., works	lb.	.59 -	—
5 tons, works	lb.	.59½-	—
1 ton or less, works	lb.	.60 -	.63
Oxychloride, cryst., etns., 5 tons, works	lb.	.29½-	—
Silicate, granular, bgs., c.l., works	lb.	.03¼-	.03½
10 tons, works	lb.	.03½-	—
5 tons, works	lb.	.04 -	—
1 ton or less, works	bl.	.04½-	.04½
milled, bgs., c.l., works	lb.	.04½-	—
5 tons, works	lb.	.05¼-	—
1 ton or less works	lb.	.05¾-	.06½
refined, bgs., c.l., works	lb.	.11 -	—
5 tons, works	lb.	.11½-	—
1 ton or less, works	lb.	.12 -	.13
Sulphate, cryst., etns., c.l., works	lb.	.37½-	—
5 tons, works	lb.	.38 -	—
1 ton or less, works	lb.	.39½-	.39

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the November 1 issue of OPD.

Petroleum Derivatives

In what was regarded as a surprise move, one large independent buyer during the week hoisted crude oil postings, the first weakening in industry-wide resistance to the increase since its inception by one purchaser on September 28. Although significant repercussions were expected to develop, there was no immediate reaction elsewhere in the trade.

At the same time, but unrelated to the week's crude oil action, gasoline moved up in the market for petroleum derivatives, and one producer announced an advance in tetraethyl lead compounds, effective February 1, 1949.

The boost in crude petroleum, which amounted to 35 cents per barrel, was attributed to the necessity for retaining present connections and the need for securing additional oil to maintain refinery operations. At week's end, two large independents and four smaller buyers were paying more for their crude.

Regular industrial buyers of petroleum aromatics continued to be well supplied, but there was no surplus material and both bids from the spot market and inquiries from abroad were refused. Higher boiling range aromatics and aliphatic-aromatic blends moved steadily.

Despite increases in motor fuel, which ranged up to three-tenth cent per gallon, aliphatic quotations were firm. The supply situation was sufficiently comfortable to permit accommodation of all bids in reasonable volume for prompt shipment. One producer of mineral spirits and stoddard solvent pointed out, however, that gasoline was still snug and that that company was proceeding cautiously with respect to large-volume commitments.

The second such upward revision this year, last week's increase in tetraethyl lead compounds, which stemmed directly from higher costs of metallic lead and other raw materials, amounted to approximately 7 percent on both the motor and aviation mixtures. On July 1 these products were advanced 11 percent and 22 percent, respectively.

Solvents and Diluents

Aromatic Solvents—Stocks of petroleum toluol and xylol did not vary much from levels of the previous week. Overall, the situation remained short, with the latter aromatic in somewhat greater availability than the former product. Nevertheless, all regular industrial accounts continued to be well supplied. Both inquiries from abroad, which were reported heavy, and bids from the spot market were discouraged. Prices were maintained in all areas at 30c. per gallon, tanks, delivered.

At least one producer of higher boiling range aromatics and aliphatic-aromatic blends stated that shipments were moving along steadily during the week to meet the demand. However, it was noted that there was still no surplus material despite an easing supply situation. Listings remained on a par with previous quotations.

Cleaners' Naphtha — Although there were advances in gasoline during the week in certain quarters, there was no apparent effect on the price structure of this or other naphthas last week. Listings continued at 14c., East Coast, and at a range of 10⅝c. to 12c. per gallon, tanks, group 3. Producers reported enough material on hand to accommodate both contract and spot customers for prompt shipment. Sellers, nevertheless, remained wary of new large-volume business. Buying interest was unchanged.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended November 13 totaled 233,982,000 barrels, according to the Bureau of Mines. Compared with the total of 233,249,000 barrels for the preceding week, this represents an increase of 733,000 barrels, comprising an increase of 656,000 barrels in stocks of domestic crude and an increase of 77,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks totaled 9,262,000 barrels, an increase of 60,000 barrels.

Market Trends

Prices Advanced
None
Prices Reduced
None
(For Current Prices see Page 9)

Lacquer Diluent—Demand remained on a par with levels of the previous week. Sales were reported both on contract and on spot. A seller of heptane-, hexane- and octane-type thinners indicated that these recently-introduced products were moving nicely to customers outside the protective coatings field. Quotations were stable at 16c. on the East Coast and at 12¼c. to 13c. per gallon, tanks, group 3.

Mineral Spirits—Most producers during the week were able to accommodate bids for any reasonable quantity from all comers. One manufacturer, while indicating that the supply situation was relatively good, pointed out that there was no large surplus and that that company, therefore, was taking a cautious attitude toward long-range, large-volume commitments. Consuming interest was steady. Last week's increase in gasoline exhibited no apparent influence over the price structure of this aliphatic material, as quotations held firm at 14c., East Coast, and 10¼c. to 11½c. per gallon, group 3.

Rubber Solvents—The advance in gasoline listings in certain areas last week exercised no apparent effect over the price structure of this material, which remained stable at 15c., East Coast, and 11c. to 11¾c. per gallon, tanks, group 3. Inventories were plentiful, and offerings were made for prompt shipment to all bidders. Consuming inquiry was without appreciable change.

Stoddard Solvent—In most quarters last week the supply situation was regarded as excellent, offerings continuing readily available to spot and contract customers alike for prompt shipment. However, a note of caution was voiced by one producer, who said that that firm was not encouraging new business on a large scale because of the present gasoline shortage. Demand was steady. Although gasoline prices went up in certain areas, quotations on this aliphatic material stood fast at 14c., East Coast, and at 11c. to 11¾c. per gallon, tanks, group 3.

V. M. & P. Naphtha—No difficulty was encountered anywhere in the trade regarding supplies. Producers freely entertained bids in any reasonable quantity from all comers. Buying interest was maintained. Prices, which were unaffected by last week's boost in gasoline, remained at 15c., East Coast, and at a range of 11¼c. to 12c. per gallon, tanks, group 3.

Lighter Fractions

Butane—Supplies were very scarce last week, with producers reporting continued difficulty in meeting contract commitments. Demand remained active. Prices were steady at 6c. per gallon, tanks, group 3.

Hexane—Offerings were readily available for prompt shipment to all comers. Demand was moderate. Prices were maintained at 13½c. to 14½c. per gallon, tanks, group 3.

Pentane—Buyers experienced no difficulty in locating stocks. Interest was fair. Quotations were unchanged at 10½c. to 11½c. per gallon, tanks, group 3.

Propane—In short supply, this liquefied petroleum gas was reported in somewhat better availability than butane. Demand was strong. Prices held at 6c. per gallon, tanks, group 3.

Waxes

Paraffin—Producers reported inability to keep pace with the heavy demand for low melting wax. Unlike low melts, high melting paraffin was in good supply, meeting moderate demand. Quotations on crude scale wax were still not available on the open market. Fully-refined paraffin, however, remained firm at a range of 6 9/10c. to 8c. per pound, carload, loose slabs.

Miscellaneous

Crude Oil—One large independent went along with the 35c. increase in crude postings last week, the first break in industry opposition to the advance since its inception in late September. The move was taken because, according to a company official "we found it impossible to buy unless we posted higher quotations."

Gasoline—At least two East Coast refiners announced a variety of price adjustments, including increases ranging up to 3/10c. per gallon on motor fuel.

Tetraethyl Lead—With metallic lead and other raw materials higher, one producer during the week announced a 7 percent increase on both motor and aviation mixtures, effective February 1, 1949. As a result of last week's advance, the second such move this year, the new prices will be 63.23c. and 68.72c. per pound of tetraethyl lead content for the motor and aviation compounds, respectively. On July 1 the motor mix went up 11 percent, while the aviation material rose 22 percent.

For Late Market Developments, See Page 4

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Protective Coatings Materials

Following along closely behind the recent rise in the metal, cadmium colors moved up in last week's market for protective coatings. Also of interest was a decline in imported casein quotations. However, neither of these fluctuations affected the price index, which stood fast at 224.3.

Cadmium lithopones, as per previous expectations, were uniformly advanced 6 cents per pound. The action followed directly upon a 10-cent boost in metallic cadmium during the previous week. Elsewhere in the market, carbon black prices were unchanged, although in view of rising gas costs, an increase in channel grades was believed imminent in some quarters. Furnace black was in good supply, but channel was still tight despite a slight rise in inventories.

Lead pigments were steady and short. In fact, some observers believe that the present scarcity will continue well into 1950. Supplies of red and yellow synthetic iron oxide were excellent, though black and brown, while easier than heretofore, remained on the narrow side. Meanwhile, one producer announced the introduction of a tan synthetic iron oxide, said to be light-fast and unaffected by temperatures well above 2000 degrees F.

Blanc fixe was firm and tight. Synthetic resins were quiet. Consuming inquiry for nitrocellulose, though down from peak post-war levels, was still reported moderately good. Trading in natural resins was slow. Shellac varnish prices dropped 10 cents per gallon in the wake of recent alcohol declines. However, shellac itself was steady, both in New York and Calcutta.

The desire of some New York dealers to unload forced imported casein down three-quarter cent last week. This was viewed as mildly surprising since the Argentine was somewhat stronger, possibly in anticipation of an 8 percent tax by that government on all casein shipments. Long asbestos fibers remained scarce. Neither lead nor zinc driers and flatteners changed, despite higher metallic costs.

Market Trends

Prices Advanced

Orange, cadmium lithopone, 6c. per lb.
Red, cadmium lithopone, 6c. per lb.
Rosin, gum, Savannah, N, 8c. per 100 lbs.
Yellow, cadmium lithopone, 6c. per lb.

Prices Reduced

Casein, imp., acid-precip., ¾c. per lb.
Turpentine, gum, Savannah, ¼c. per gal.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
224.3	224.3	210.2	182.2

(For Current Prices see Page 9)

Prime Pigments

Black, Carbon—Although producers reported last week that they have been able to build up a little inventory on channel grades, the material continued in a short position. Demand for channel blacks remained heavy. Furnace grades, however, in excellent supply, received only moderate call. Prices on both types of the pigment were stable. Nevertheless, in view of rising gas costs, it was believed in some quarters that advances on channel grades would probably be forthcoming within the next four to six weeks.

The Bureau of Mines reported September production of carbon black at 104,436,000 pounds, an increase over the 103,596,000 pounds in August but a decline from the 112,199,000 pounds of September, 1947. During the first nine months of this year, total production of carbon black aggregated 969,952,000 pounds, compared with 975,954,000 pounds for the January-September period of last year. September shipments totaled 100,829,000 pounds, opposed to 106,843,000 pounds during the preceding month and 100,295,000 pounds in September, 1947. Stocks at the close of September aggregated 106,004,000 pounds, as against 102,297,000 pounds on August 31 and 56,840,000 pounds on September 30, 1947. Exports in Septetmber, as reported by the Department of Commerce, were 25,843,000 pounds, compared with 21,809,000 pounds in August and 32,470,000 pounds during September, last year.

Black, Synthetic Iron Oxide—Stocks of this pigment, though still tight, were reported easier during the week than they have been in many months. Buying interest was reasonably active. Quotations remained on a par with previous levels.

Blue, Ultramarine—Balanced market conditions prevailed in this section during the past week, with supplies meeting a reasonably good demand. Prices were firm at 25c. to 26½c. for the cobalt type, 14c. for the jobbing type and 19c. to 30c. per pound for the regular types.

Brown, Synthetic Iron Oxide—Some improvement in the supply picture was noted last week. Stocks, though hardly abundant, were said to be at higher levels than they have been in recent months. Demand was moderately good. Prices were maintained.

Of added interest last week was the introduction by one producer of a tan synthetic iron oxide. The material, which is said to be light-fast and unaffected by temperatures well above 2000 degrees F., is quoted at 19½c. per pound for all quantities.

Green, Chrome—The Bureau of Census reported September production of CP grades at 1,152,000, a rise over both the 1,057,000 pounds in August and the 990,000 pounds in September, 1947.

Lead Pigments—Supplies were reported to be as tight as ever during the period under review, with no relief in prospect. It was believed in some quarters that the scarcity of pig lead, which is primarily responsible for the shortage of pigments, will probably continue in effect well into 1950. Meanwhile, there was no slackening in the demand for lead oxides and white leads. It was even felt by some observers that a demand, which is not visible at present because of the hopeless supply picture, exists in the market. Thus, they argue, if supplies were to open up, demand would probably go along with them. Prices were stable at recently-established higher levels.

Orange, Cadmium—Following the previous week's 10c. rise in the metal, quotations on this pigment material were 6c. per pound higher in last week's market. The new price is $1.10 per pound, freight allowed.

Orange, Molybdate—September production, according to the Bureau of Census, aggregated 397,000 pounds, as compared with 334,000 pounds during the preceding month and 373,000 pounds in September of last year.

Red, Cadmium—On the heels of the recent 10c. advance in cadmium metal, prices on the various pigments last week went up 6c. per pound. Following are current market quotations:—Deep shade, $1.35; light shade, $1.20; maroon, $1.45 to $1.55; medium shade, $1.30; medium-light shade, $1.25, and orange-red, $1.15 per pound, freight allowed.

Red, Synthetic Iron Oxide—Supplies continued plentiful during the week, with producers indicating that they were able to handle bids from all comers for prompt shipment. Consuming inquiry remained very slow. Prices were steady, and there was little indication of any fluctuation within the near future. Imported, but not unloaded, were 3,139 bags of iron oxide from Malaga.

Yellow, Cadmium—An advance of 6c. per pound was effected on this pigment material last week. The action followed closely behind the recent 10c. increase in cadmium metal. Current schedules on all shades of yellow cadmium lithopone call for 95c. per pound, freight allowed. A producer of the CP material has withdrawn temporarily from the market, but expects to resume production within the near future.

Yellow and Orange, Chrome—Output during September, as reported by the Bureau of Census, represented an increase over the August figure but a decline from September, 1947. The totals were 3,742,000 pounds, 3,493,000 pounds and 4,067,000 pounds, respectively.

Yellow, Synthetic Iron Oxide—Inventories remained heavy during the period under review. Manufacturers reported that they were able to fulfill orders in any quantity for prompt shipment. Buying interest was weak. Previously there had been a moderately good demand for the material by makers of olive drab paint, but the overall effect of these sales on the market picture was not nearly as great as had been earlier anticipated. Meanwhile, the price structure held firm.

Yellow, Zinc—September production, according to the Bureau of Census, totaled 319 short tons, lower than the 498 tons produced in August but an increase from the 275 tons manufactured during September of last year.

Fillers and Extenders

Blanc Fixe—Supplies continued tight, as consuming inquiry remained active.

For Late Market Developments, See Page 4

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BALTIMORE — Warner-Graham Co.
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CHICAGO — Philip E. Calo Co.
CINCINNATI — Deeks & Sprinkel
CLEVELAND — S. S. Skelton
DETROIT — C. W. Hess Co.
HOUSTON — Joe Coulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — C. N. Sutton
PHILADELPHIA — Loos & Dilworth, Inc.
PITTSBURGH — Jos. A Burns
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Walls
SEATTLE — Carl F. Miller & Co.
TORONTO, CAN. — A. S. Paterson

Prices were unchanged from previous levels.

Calcium Carbonate — Arrivals, which were not unloaded because of the port tieup, totaled 5,250 bags of whiting from London.

Kyanite—Importations, which remained in the hold of the ship because of the maritime walkout, aggregated 22 bags of kyanite from Mombasa.

Mica—Imported, but not unloaded, last week were 246 cases of mica from Beira, London and Luanda.

Synthetic Resins

The market was quiet last week following recent declines on a variety of resins. No further price activity was noted in alkyds in the wake of a series of reductions by one manufacturer. Demand for these materials continued fair, and supplies were said to be adequate to meet current needs. Nitrocellulose quotations were firm. Buying interest was reported moderately good, although consumption of this material was said to be down considerably from peak post-war levels. Melamines and phenolics was steady. One maker of alkyl and/or aryl sulphonamide-formaldehyde resins indicated that these products were available in commercial quantities for prompt shipment. Both pentaerythritol and vinyl resins were unchanged, despite a recent decrease in one quarter on the former.

Natural Resins

Buyers displayed only limited interest in New York offerings last week. Pricewise, the situation was stable, despite the recent strength in Singapore No. 1 dammar gum. Inventories, while not abundant, were said to be sufficient to cover all current requirements. However, dealers warned that the port tieup would ultimately take a heavy toll on existing stocks if it dragged on for any long period of time. Importations last week, which were not unloaded due to prevailing strike conditions on the waterfront, totaled 46 baskets of copal from Macassar and 50 cases of dammar gum from Singapore.

Shellac—Following steep reductions in alcohol prices, quotations on cut shellac dropped 10c. per gallon last week. However, shellac itself was steady both in New York and Calcutta. Consuming inquiry remained uneven. Stocks, though still adequate, were in danger of depletion because of the longshoremen's strike. Arrivals during the week, which were not unloaded because of the port tieup, totaled 241 bags of seedlac from Kohsichang.

Lacquer Materials

Phthalates—Demand for all types of these plasticizers continued fair to moderate during the period under review. Inventories of dibutyl and diethyl phthalate were said to be more than ample in view of current requirements. A reasonable amount of war surplus dimethyl phthalate was still reported afloat on the market. Prices were maintained despite recent alcohol lowerings.

Sebacates—Interest in these materials was heavier last week, following recent declines in dibutyl and dicapryl sebacate. Stocks were reported good for all types of this plasticizer. The price structure was without change all along the line.

Miscellaneous Materials

Asbestos—Arrivals last week, which remained in the harbor because of the port tieup, totaled 7,600 bags of asbestos fiber from Beira. Stocks remained severely tight on long fibers and plentiful for shorter grades. Quotations were unchanged last week, but increases were believed to be in the making in some quarters within the next four to six weeks.

Casein—The desire of some New York dealers to unload their holdings before the flush Argentine season sets in last week forced down imported acid-precipitated prices 3½c. per pound to a range of 25½c. to 27c. However, the quotations were almost entirely nominal, since there was no buying of any consequence. Nevertheless, the decline was viewed as somewhat surprising by some importers since the market in Buenos Aires was a little stronger, possibly in anticipation of an expected 8 percent tax by the Argentine government on casein shipments. Domestic acid-precipitated casein was steady at 30c. Interest in rennet casein, both imported and domestic, was weak because of reduced button business operations.

Glue—Imported, but not unloaded because of strikebound conditions on the waterfront, were 268 bales of gluestock from Barranquilla.

Gypsum — Arrivals during the week, which remained on shipboard because of

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SPECIFICATIONS

	Max.	Min.	Typical Analysis
Specific Gravity 15.5C	0.938	0.933	0.936
Refractive Index 20C	.....	1.480	1.482
Unpolymerized Residue	2.5%	.....	0.8%
ASTM Distillation			
5%	.....	195C	206C
95%	225C	.....	220C
Moisture	1.0%	.....	0.5%

PROPERTIES

Color: "Straw Yellow"
Tertiary Alcohols: Approximately 54 to 60%.
Terpene Hydrocarbons: Approximately 10%.
Phenol Coefficient: Approximately 5 on a concentrate containing 80% Pine Oil (F.D.A. Method).

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Plaskon Sales Aid

Donald Delaney has joined the Plaskon division of the Libbey-Owens-Ford Glass Company as assistant sales manager of coating resins. Mr. Delaney was formerly associated with the Atlantic Refining Company and with E. I. du Pont de Nemours & Co.

the port deadlock, aggregated 5,812 tons of crude gypsum from Rotterdam.

Lead Driers and Flatteners — Increases in these materials, which have been widely expected since the recent rise in metallic lead, again failed to materialize last week.

Synthetic Adhesives — The Bureau of Census reported total September consumption at 7,486,000 pounds, compared with 7,255,000 pounds in August and 5,938,000 pounds in September, 1947. The September, 1948, figure was composed of 528,000 pounds of casein glue, 2,827,000 pounds of soybean glue, 3,740,000 pounds of phenolic resin glue and 391,000 pounds of other synthetic adhesives. Stocks at the close of September totaled 4,626,000 pounds, opposed to 4,616,000 pounds on August 31 and 3,334,000 pounds on September 30, 1947. Breakdown of the September, 1948, inventory figure follows:—Casein glue, 263,000 pounds; soybean glue, 1,507,000 pounds; phenolic resin glue, 2,181,000 pounds, and other synthetic adhesives, 675,000 pounds.

Zinc Driers and Flatteners—Prices on these materials remained stable last week, despite the recent rise in zinc metal.

Naval Stores

The records of the gum naval stores markets over the week ended November 26 were as follows:—

Gum Rosin

	Price per 100 lbs.					
	Savannah Exchange (Low of range)				New York c.l., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday
B	$6.50	$6.50	$6.50	...	$6.50	$8.00 $8.75
D	7.00	7.00	7.00	...	7.00	8.35 9.10
E	7.00	7.00	7.00	...	7.00	8.35 9.10
F	7.35	7.35	7.35	...	7.35	8.50 9.25
G	7.72	7.72	7.72	...	7.72	8.70 9.45
H	7.72	7.72	7.72	...	7.72	8.70 9.45
I	7.72	7.72	7.72	...	7.72	8.70 9.45
K	7.72	7.72	7.72	...	7.72	8.70 9.45
M	7.72	7.72	7.72	...	7.72	8.70 9.45
N	7.72	7.80	7.80	...	7.80	8.70 9.45
WG	7.81	7.81	7.81	...	7.81	8.85 9.60
WW	8.00	8.00	8.00	...	8.00	8.95 9.70
X	8.00	8.00	8.00	...	8.00	8.95 9.70
	Drums					
Sales		100		...		
Receipts	59	3,897	115	...	554	
Shipments		6,001		...	2	
Stocks	24,934	22,830	22,945	...	23,497	

Gum Turpentine

	Savannah Exchange Bulk				New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday
Per gal	.39	.38¾	.38¾	...	.38¾	.45½ .56
Sales, bbls.	...	320	320	...	...	
Receipts, bbls.	167	1,262	220	...	150	
Shipments, bbls.	177	1,012	40	...	60	
Stocks, bbls.	15,902	16,152	16,332	...	16,422	

* No market.

Monsanto Issues Report On Varnish Formulation

Monsanto Chemical Company has published a progress report on the use of its silica aerogel, "Santocel C," in flat varnish. The report describes the use of the product in varnishes and gives the properties of varnishes formulated with it. Methods of testing, typical grinding and reducing procedures and other data are also included in the report. Copies may be obtained from the Monsanto Chemical Company, Merrimac Division, sales department, Everett, Mass.

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Lacquer Exhibit at NPVLA Meeting

Exhibit of lacquer-finished products shown at the convention of the National Paint, Varnish and Lacquer Association in Chicago, November 8 to 10. Lacquer finishing problems were discussed at a session of the lacquer section by George A. Moore, of Reynolds Metal Company, and Henry P. Draper, of Home Outfitters, Inc. Harry E. Stone presided.

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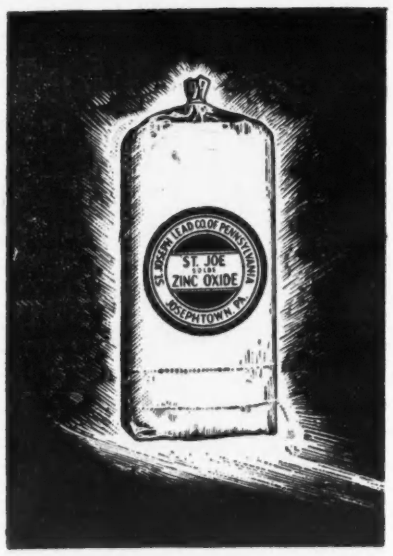

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Naval Stores: July-Sept.

Production of gum and wood turpentine in the United States in the July-September quarter totaled 197,640 barrels, compared with 189,689 barrels in the corresponding 1947 quarter. Stocks at the end of the quarter were 228,600 barrels, as opposed to 194,111 barrels.

Production of gum and wood rosin in the quarter totaled 607,850 drums, compared with 572,233 drums in the 1947 quarter. Stocks this year at September 30 were 576,530 drums, compared with 284,840 drums at the close of September, last year.

Details of naval stores supply, demand and stocks in the July-September quarter this year are as follows:—

Supply and Distribution

	Turpentine Barrels (50 gals.)	Rosin Drums (520 lbs.)
Carryover, July 1	200,990	401,170
Production	197,640	607,850
Supply	403,544	1,009,185
Carryover, Sept. 30	228,600	576,530
Apparent consumption	138,450	298,279
Production		
Gum	116,610	313,350
Wood	81,030	*294,500
Steam-distilled	52,100	.....
Destructive-distilled	730	.....
Sulphate	28,200	.....
Consumption by Industries		
Abattoirs	.....	75
Adhesives and plastics	45	5,262
Asphaltic products	97	604
Automobiles and wagons	16	57
Chemicals and pharmaceuticals	14,841	*88,479
Ester gums and synthetic resins	4,884	56,888
Foundries and foundry supplies	201	1,316
Furniture	37	1
Insecticides and disinfectants	3	709
Linoleum and floorcovering	.....	9,530
Matches	.....	86
Oils and greases	7	4,437
Paint, varnish and lacquer	4,266	28,858
Paper and paper size	.....	90,258
Printing ink	35	1,725
Railroads and shipyards	1,451	2,506
Rubber	65	3,809
Shoe polish and shoe materials	883	983
Soap	.....	23,280
Other industries	31	852
Total industrial reported	26,862	319,715
Carryover Locations		
Production points	103,590	380,980
Gum stills	51,710	294,560
Wood plants	51,880	86,420
Southern concentration points	61,180	51,910
Industrial plants	17,680	130,890
Distribution points	46,150	12,750
Central	23,010	6,510
Eastern	16,260	5,630
Western	6,880	610

Miscellaneous Production

	Barrels (50 gals.)
Dipentine	5,940
Pine oil	37,600
Pinetar	27,390
Rosin oil	6,030
Other monocyclic hydrocarbons	10,700

* Total primary production of FF wood rosin. Stocks exclude by-products, such as "B wood resin," produced in refining FF wood rosin to paler grades.

† Includes, as rosin consumed, the "B wood resin" produced in refining FF wood rosin to paler grades. No data are reported on the consumption of "B wood resin" as such.

CDIC Paint Technicians Told of Lacquer Progress

J. O. Small, of the Hercules Powder Company, was the principal speaker at the recent meeting of the Cincinnati, Dayton, Indianapolis and Columbus Paint and Varnish Production Club, held at the Van Cleve hotel, Dayton. With the aid of slides, Mr. Small disclosed recent developments and improvements of pyroxylin lacquers, along with new techniques for methods of control.

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Oils, Fats and Waxes

While trading in oils and fats was of limited volume and spasmodic, last week the market remained in a steady position, with price changes few. Corn and tung oils were fractionally lower, while common degras was raised 1 cent per pound. The price index advanced slightly to 193.6, compared with 190.8, a month ago and 260.8 for this time last year.

Edible oils reflected the steadiness of crude oils. Cottonseed oil was well maintained at former levels, while corn was off fractionally, but was firmer at the close of the week. Peanut oil was inactive, with offerings from mills well held at unchanged quotations. Soybean oil continued steady especially for prompt shipment.

As a result of increased inquiry for grease and tallow by domestic consumers, a firmer tone developed in this market last week. Offerings of the better grades were scarce, which brought out more interest in the lower grades. Trading was reported as moderate at unchanged quotations, and additional business was not consummated by the scarcity of offerings.

Tung oil was unsettled and light sales were reported at fractionally lower prices for prompt and forward delivery. Other drying oils continued inactive, though prices were unchanged and generally steady.

Lower production of common degras because of reduced woolen mills operations, resulted in a firmer market and prices were advanced 1 cent per pound. Active demand has sharply reduced available supplies of this grade. Refined grades were unchanged, but were reported steadier.

Scarcity of supplies of carnauba wax on the spot because of the maritime strike, has further stiffened the local situation and buyers had to raise bids in order to cover immediate needs. Sales of No. 1 yellow were reported at an increase of 4 cents per pound.

Cottonseed Oil

Market for bleachable cottonseed oil futures was irregular last week, and backed and filled with fluctuations in lard and grains. Commission houses were on both sides of the market. Moderate hedging sales in March and May deliveries was reported against crude oil purchases. Sentiment continued mixed, with long interests stressing increased inflationary conditions and others basing their views on this seasons bumper crops of oilseeds.

Crude oil held on a steady basis, with business reported of fair volume, but spotty. Sales were noted at 19½c. per pound, tankcars, November-December shipment, in the Southeast, Valley and Texas. January-March was maintained at 18½c., same basis.

Cottonseed production is expected to reach about 6,127,000 tons, based experience for the past five years ratio of cotton to seed. Cottonseed produced last year totaled 4,681,000 tons; 10-year average, 4,947,000 tons.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended November 26 follow:—

	Sales	Cents per pound—High	Low	Close
December	192	22.70	22.40	22.10S
January	6	21.85	21.30	21.00@21.75
March	350	21.38	20.35	20.60S
May	204	20.75	20.15	20.11&20.12S
July	41	20.30	19.60	19.60@19.73
September	3	18.05	18.05	18.00@19.00
October	1	17.70	17.70	17.25@17.50

Total sales—797 tankcars.

Memphis—Crude cottonseed and soybean oils were sold at 19½c. and 19c. per pound, tanks, for spot shipment, respectively. Buyers bid 19c. for cottonseed oil, January-February, and 17c. for soybean oil, January-February-March. Demand for meals continued good for both nearby and deferred shipment. Cottonseed meal, 41 percent, was quoted at $78.50 per ton, spot; $77, first half December, and $76.50, last half December, basis Memphis. Cottonseed hulls, $14 per ton, bulk, and $20 sacked, basis Memphis, for prompt shipment.

Market Trends

Prices Advanced

Degras, common, 1c. per lb.
Linseed meal, $2 per ton.

Prices Reduced

Carnauba wax, No. 1, yellow, 4c. per lb.
Corn oil, ¼c. per lb.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
193.6	193.5	190.8	260.8

(For Current Prices see Page 9)

Linseed Oil

Business continued of light volume, chiefly for small lots and an occasional tankcar and tankwagon last week. Market remained steady at unchanged quotations. Raw oil was quoted 27.8c. per pound, tankcars, New York basis for November-forward delivery. The call for delivery against former contracts lacked snap and was reported as fair. Tung oil was unsettled with spasmodic trading noted at 23c. to 23¼c. per pound, tankcars, against sales of ¼c. higher the week previous.

PMA reported the purchase of 73 tankcars of raw linseed oil at 26.7c. per pound, tankcars, f.o.b. mills and 5 tankcars at 26.3c. same basis, during the period, November 2 to 15.

Minneapolis—Demand for oil continued quiet to fair. Buyers showed fair interest in the January-March period and even making scattered purchases as well as inquiring for oil for shipment during May and June. Crushers were actively moving supplies into consuming channels and plants were running at near capacity as a steady volume of shipping orders appeared from week to week. It was anticipated that operations would slump by mid-December but contracts on hand, disappearance of oil into consuming channels and the urgent call for oil virtually guarantees a quick pick-up in operations after December 31. Oil continued to hold at 27c. per pound, in tanks, zone 1; 27.2c. per pound on a warehouse basis.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	5,760,000	8,040,000
Since Sept. 1	44,640,000	88,160,000

Flaxseed—Crushers continued to absorb the bulk of flaxseed offers at $6 per bushels, the support price. CCC buying operations have practically ceased of late.

Minneapolis—CCC buying operations in the flaxseed market came to a virtual halt on November 1, and there has been only a few cars acquired by the government agency since that date, mostly in the form of applications on previous "to arrive" purchases.

The crushing industry is taking flaxseed in the "free" market at $6 per bushel, also obtaining a fair share of the receipts through applications on their own to arrive purchases. Crushers were generally understood to be supplied with flaxseed through the December period when the government buyers stepped into the market and took an estimated 23,000,000 bushels. However, purchases made in the past few weeks, plus stocks on hand, have created a stock of flaxseed that is expected to keep the mills going through the first quarter of 1949. Advices on the Texas crop continued favorable.

Official Washington has announced that 10,000,000 bushels of the 1948 crop and stock of flaxseed will move into export channels from this country, which leaves a total of about 13,000,000 bushels in government hands. Crushers may have to buy this seed to fill out their crush for the 1948-1949 season and it is expected that they will have to pay a premium of 15c. to 30c. over the support price for this government held seed.

Shipments of flaxseed, in pounds, were as follows:—

Bushels—	Receipts— 1948-49	1947-48	Shipments— 1948-49	1947-48
This week	310,700	351,900	460,700	73,100
Since Sept. 1	22,686,200	14,276,300	3,315,700	1,948,500

Other Vegetable Oils

Castor, Dehydrated—Business was confined to immediate requirements. Prices were without change and well held.

Coconut—Trading was restricted to occasional tankcars for prompt delivery. Crude oil was sold at 24c. per pound,

Shortening and Edible Oil Shipments

Shipments of shortening and edible oil this year, according to data reported monthly to the Institute of Shortening and Edible Oils, were as follows:

	Pounds— 1st Quar.	2d Quar.	3d Quar.	Oct.
General shipments—				
Shortening	353,977,000	347,290,000	327,062,000	120,484,000
Edible oil	346,363,000	377,636,000	339,285,000	119,001,000
Shipments to government agencies	6,926,000	5,986,000	2,180,000	1,079,000
Shipments for commercial export	6,599,000	3,923,000	3,601,000	1,025,000

For Late Market Developments, See Page 4

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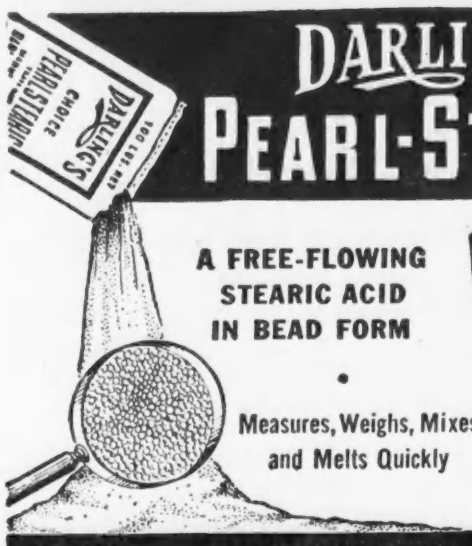

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tankcars, f.o.b. Pacific coast for immediate shipment. December was offered at 23c. Market was steady with copra. Higher prices of coconut oil increased exports of coconut oil from Ceylon. Shipments were reported at 59,912 long tons during January - September, compared with 18,403 tons for the same time last year. The bulk of shipments were made to United Kingdom during this period amounting to 52,016 long tons, against 18,403 tons last year.

Copra—Offerings were light and well held. Sales were noted at $265 per short ton, c.i.f. Pacific coast, November-December shipment. Bids of $265 per long ton, f.o.b. Philippines were not accepted.

Copra shipments from the Philippines totaled 37,837 tons during October against 110,457 tons for the same time last year. Exports to the United States were 19,409 tons, in October compared with 76,303 tons during the same month in 1947. January - October exports totaled 517,126 tons, about 35 percent less than for the corresponding period last year. Ceylon copra exports amounted to 19,879 long tons during the third quarter of 1948, accounting for 94 percent of the January-September total of 21,162 tons.

Corn—Sales of crude oil took place at 21c. per pound, tankcars, f.o.b. mills, 1c. below previous business with sellers holding at 21½c. at the close. Refined oil was easier at and available at 25c. per pound, tankcars, mills for November shipment and 24½c. for December.

Oiticica—Consuming inquiry was reported improved for prompt requirements. Market was steadier and supplies on spot were well held. Bulk of recent sales were made at 18½c. to 19c. per pound, drums, for less than carlots. Offers for shipment were light and tankcars ranged from 18c. to 18½c. per pound, New York depending upon seller and delivery.

Olive—Trading was restricted to small lots for immediate delivery. Stocks on spot were well held. Spanish oil was quoted at $4.50 to $4.75 per gallon, drums, spot, duty paid and Moroccan at $4.15 to $4.25, same basis, as to seller and quantity. Arrivals at New York totaled 414 drums from Spain and 250 drums from Algiers last week.

Athens (Comtelburo)—Official Greek reports place this year's olive oil crop at between 65,000 and 70,000 tons—less than one half the 1947 output of 150,000 tons. For this reason and combined with the fact that Italian, Spanish and North African oils are cheaper, no export licenses have so far been granted by the government. An exception, however, was 150 tons of best quality oil which will be exported to sterling and dollar areas free of export tax "to maintain contact between domestic producers and foreign consumers."

Peanut—Crude oil was offered at 20c. per pound, tankcars, f.o.b. mills for November-December shipment. Best bids were ¼c. less. Trading was quiet. Refined was quoted at 24½c. per pound, tankcars, New York delivery for prompt shipment and 24c. for December.

Rapeseed—This market was inactive and nominal at 23c. per pound, tankcars, New York basis.

Soybean—Business was light and spasmodic. Market held steady. Sales were reported at 19c. per pound, tankcars, f.o.b. mills November shipment, at 18¾c., December and 16c. July-September last week. January was offered at 17¾c. and February-March, 17¼c. Refined edible was available at 22½c. per pound, tankcars, New York delivery, 22¼c. for December and 21c. for January-March. Refined alkali and clarified oils were reduced ½c. to 21.82c. and 20.32c. per pound, tankcars, New York basis, respectively.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended November 26 follow:—

	Sales	High	Low	Close
		Cents per pound		
December	..	....	....	20.25B
January	..	....	....	19.25B
March	..	....	....	18.25B
May	..	....	....	18.00B
July	..	....	....	17.25B
September	..	....	....	16.25B
October	..	....	....	16.25B

Total sales—None.

Tung—Sales were limited to occasional tankcars and were reported ranging from 23c. to 23¼c. per pound, New York basis for prompt and forward delivery on firm bids. Tankcars were quoted nominally at 23¼c. to 23½c. per pound, as to seller. Drums were unchanged at 25c. per pound, carlots.

Fats and Greases

Greases—Improved tone developed in this market last week, under increased domestic inquiry. Prices were unchanged and well held. Offers were not liberal and moderate trading was reported at current levels.

Lard—This market was irregular with grains last week. Prices scored moderate gains during the period. Some 3,000,000 pounds of lard was allocated to Cuba as an advance against the first quarter of 1949, it was announced by the Department of Agriculture last week.

Tallow—Market became firmer under better demand for all grades. Trading was moderate and spotty, and was restricted by light offerings. Most of the

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trading took place in the lower grades because of the scarcity of offers of the higher. Quotations were maintained at former levels.

Animal Oils

Degras—Stocks of common degras continued scarce and the yellow grade was increased 1c. to 11c. to 12c. per pound, depending upon quantity. This was reflected in neutral grades and prices were steadier though unchanged.

Grease Oil—Demand was moderate, chiefly for small lots. Quotations remained steady for all grades.

Oleo Oil—Trading was reported quiet. Market was unchanged and steady.

Oleo Stearine—Inquiry was fairly active. Prices were unchanged and nominal at 20c. to 21c. per pound, barrels, New York basis.

Fish Oils

Refined Fish—Business lacked snap and was limited to actual requirements. Prices were steady. Light sales of crude menhaden were reported at 15c. per pound, loose, f.o.b. works. Crude sardine oil was inactive and nominal at 15½c. per pound, loose works, Pacific coast. Supplies of this oil were scanty.

Los Angeles—Fishermen and canners have reached a tentative price for sardines. It is $50 per ton. Most of the boats have remained in port the past few weeks because of disagreement over the price of sardines. Very little oil is available. Oil remains at 15c. U. S. Fish and Wildlife Service reported 69,673 tons of sardines were landed this season through November 20, compared with 88,819 tons for the same period last year.

Cake and Meal

Cottonseed Meal—Demand was excellent and market trend very firm. Loose 41 percent slab cake traded last week at $67.50, f.o.b. Valley mills for December shipment. Meal offerings in the Southeast for November and December were unusually limited, and sacked 41 percent was salable at $75, f.o.b. mills in Georgia and the Carolinas. Sacked 36 percent was quoted at $65 to $67, f.o.b. Alabama, Georgia, and at $63, f.o.b. North Carolina mills. Because of the sold-up position of most Valley mills Southeastern meal is still being shipped to states west of the Mississippi River. It is said that a considerable tonnage of oilmeals has yet to be bought if export allocations abroad are to be filled. Any appreciable export buying, at this time, would tend to bring about an even stronger market.

Linseed Meal—Further price advances featured this market for spot and prompt delivery. Demand was active.

Minneapolis—Meal prices reached a seasonal high mark at $76 per ton (bulk) for immediate shipments. Buyers were avid for supplies and crushers had only scattered amounts for sale. December meal was quoted at $75@76 per ton and January quoted at $65. Demand was brisk in all departments and shipping orders were good on maturing contracts.

Shipments of linseed meal in pounds, were as follows:—

	1948-49	1947-48
This week	8,340,000	11,760,000
Since Sept. 1	151,440,000	128,200,000

Peanut Meal—Export and domestic users have just about cleaned up surplus stocks of peanut meal. Since peanut meal is by far the cheapest protein, exporters are anxious seekers of additional quantities but sales are now few and far between since CCC is now only selling small tonnages each week for crushing purposes. The market is firm, with sacked 41 percent at $63, and sacked 45 percent at $68 f.o.b. Southeastern mill points.

Soybean Meal—The tone of this market was strong and bulk 41 percent basis Decatur, has recently traded at the following prices:—November, $75 per ton; December, $71; January, $63; February-March, $60; April through September, $58. Local 45 percent sacked meal in North Carolina brought $73 to $75 for November, December, and $73 for January. Eastern Tennessee mills offered sacked 45 percent at $62 for February-March. There is not a great deal of buying interest in the forward positions, but there is enough trading in the nearby positions to keep most processors on a well sold-up position.

Waxes

Candelilla—Consuming inquiry was slow. Supplies on the spot were not heavy, but adequate to cover light demand. Prices were well held at 68c. to 69c. per pound for crude and 72c. to 74c. for refined, as to quantity.

Carnauba—Scarcity of supplies on the spot continued to feature this market. Trading was light and spotty, with buyers having difficulty finding most grades. Quotations were firm, though more or less nominal. Sales of No. 1 yellow took place at $1.20 per pound. Other grades were unchanged and nominal.

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Toronto Linseed Oil Plants Ration Power

Linseed oil producers in Toronto, Canada, are continuing to get sufficient electrical power for their operations in the current critical power shortage by policing their own plants. The self-regulation is regarded as much more desirable than waiting for arbitrary power cuts by the Hydro Commission.

Canada Linseed Oil and five other factories on one feeder line on Wabash street, made a deal with Hydro to police their own ration, and eliminated cuts by keeping within quota. "We had to reduce our overall production a little bit," said a spokesman for Canada Linseed Oil, "and we switched to Sunday work."

Margarin Output Larger

Uncolored margarin production in September showed an increase of 8,770,000 pounds, and colored 4,218,000 pounds above the same month last year, according to the Bureau of Internal Revenue.

	September Pounds 1948	1947
Production of uncolored oleomargarin	71,070,981	62,300,451
Withdrawn tax-paid	68,158,736	64,852,636
Used in Uncolored Margarin		
Butter flavor	1,576	239
Citric acid	.....	21
Coconut oil	51,905	307,520
Corn oil	32,572	1,182,737
Cottonseed flakes	.....	1,085
Cottonseed oil	35,771,204	26,493,135
Cottonseed stearin	.....	27
Derivative of glycerin	119,881	101,693
Diacetyl	377	193
Lecithin	105,379	73,793
Milk	11,849,241	10,482,667
Monostearin	63,617	73,694
Neutral lard	276,942	347,041
Oleo oil	228,392	347,033
Oleo stearin	305,014	369,261
Oleo stock	36,245	75,469
Peanut oil	345,633	2,160,446
Salt	2,174,434	1,953,018
Soda, benzoate of	51,408	45,180
Sodium sulpho acetate	5,225	.....
Soybean flakes	225	.....
Soybean oil	20,536,408	19,367,382
Vitamin concentrate	10,515	12,458
Total	72,006,753	63,379,112
Production of colored oleomargarin	9,363,432	5,145,915
Withdrawn tax-paid	7,693,585	2,917,949
Used in Colored Margarin		
Butter flavor	256	48
Coconut oil	248,440	772,728
Color	7,576	6,218
Corn oil	4,204	16,388
Cottonseed flakes	.....	2,272
Cottonseed oil	3,704,879	1,397,704
Derivative of glycerin	16,893	9,255
Diacetyl	33	20
Lecithin	13,427	5,487
Milk	1,647,011	890,230
Monostearin	4,335	3,015
Neutral lard	16,074	22,198
Oleo oil	11,886	18,831
Oleo stock	2,100	400
Peanut oil	11,598	27,184
Salt	289,438	167,800
Soda, benzoate of	5,064	2,697
Soybean oil	3,485,962	1,890,701
Soybean flakes	3,870	.....
Soybean stearin	.....	10,590
Vitamin concentrate	1,273	640
Total	9,474,319	5,244,476

Palm Kernel, Olive Oil

—Continued from page 3

tons of olive oil will exhaust reserves that may be licensed this year. This oil will be licensed as edible or inedible olive oil (other than sulphur-or-foots olive oil), and may be imported from any producing country. No licenses will be granted for mixtures of olive oil with other oils.

Each holder of an outstanding license for olive oil will be eligible for an increase in his license only if he has used 95 percent of the license. Applications from present license holders must show the amount of olive oil imported in 1948, the amount enroute, and the amount purchased but not yet shipped. To substantiate claims of purchases not yet shipped, they must submit copies of the letters of credit or other evidence of purchase.

Each importer whose historical record of importation from 1934 to 1940 is on file with the administrator of War Food Order 63 and each of the other license holders will be granted increases not in excess of fifty metric tons and ten metric tons, respectively. Each new applicant will also be given a license in the amount requested, but not in excess of ten metric tons.

Licenses for the importation of palm kernels, palm kernel oil and olive oil will be granted in the order in which complete applications are received.

The licenses will be valid only for lifting prior to December 31, 1948, and will be subject to cancellation within ten days of date of issuance if the license holder has not informed the administrator of WFO 63 that definite purchase has been made. Requests for licenses should be sent to the administrator of WFO 63, fats and oils branch, Department of Agriculture, Washington 25, D. C.

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Aluminum potassium sulphate, 8,100 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-638, December 9.

Ammonium hydroxide, 27,168 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-638, December 9.

Boric acid, 24,000 lbs., Veterans Administration (Washington 25) invitation A-60, December 2.

Carbon remover, 25,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 312, December 14.

Caustic soda, lye, 30,000 lbs., Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 306, December 14.

Compressed gases, acetylene, 9,000 cubic feet, and oxygen, 19,000 cubic feet, from January 1 through June 30, 1949, U. S. Penitentiary (Terre Haute, Ind.) invitation 31-2896, December 1; acetylene, 54,000 cubic feet, and oxygen, 144,000 cubic feet, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 343, December 20; carbon dioxide, liquid, 18,000 lbs., Army Ordnance Department (Aberdeen Proving Ground, Md.) invitation 74, December 6; oxygen, from January 1 through June 30, 1949, Army Ordnance (Rock Island Arsenal, Ill.) invitation 97, December 9.

Cyclohexanone, 2,014 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-699, December 2.

Dope, clear, 2,196 gallons, camouflage, 804 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-517, December 2.

Drugs & Chemicals, including cocaine hydrochloride, ethyl iodophenylundecylate, and homatropine hydrobromide, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 595, December 6; tetracaine hydrochloride and benzalkonium chloride solution, invitation 599, December 6; mercurophylline, invitation 596, December 6.

Dynamite, ammonia gelatin 40 percent, 882,000 lbs., and ammonia gelatin 60 percent, 551,264 lbs., Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 94, December 17.

Engine oil, preservative, 35,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 269, December 10; 165,000 gallons, invitation 290, December 10; 38,500 gallons, invitation 288, December 10; 16,500 gallons, invitation 287, December 10.

Fungicide, 1,605 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-671, December 2.

Gelatin, 1,488 lbs., Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 595, December 6.

Grease cleaning compound, 38,750 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 291, December 13.

Grease, lubricating, 6,000 lbs., Army Transportation Corps (Marietta, Pa.) invitation 151, December 1.

Hydraulic fluid, City of Cleveland, resolution No. 1266-48, December 3.

Lacquer, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 321, December 15.

Linseed oil, raw, 7,002 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 322, December 15.

Lubricants, City of Cleveland, resolution No. 1158-48, December 3.

Mercuric chloride, 264 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-638, December 9.

Methyl ethyl ketone, 1,386 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-575, November 30.

Milk powder, skimmed, 86,700 lbs., and whole, 123,125 lbs., Veterans Administration (Washington 25) invitation 121-S, December 2.

Naphthalene, 150,000 lbs., Quartermaster Purchasing Office (New York 3) invitation 540, December 3.

Nitroglycerin, 4,600 lbs., Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 96, December 15.

Oil, lubricating & engine jet, various deliveries from January 1 through June 30, 1949, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 21, December 7.

Paint, various, 36,093 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-628, November 30, primer, lacquer proof, 1,025 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 3700, November 30; chassis coating, 19,250 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 296, December 13; **enamel,** 20,000 gallons, invitation 329, December 15.

Paraffin wax, 35,040 lbs., Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 303, December 14.

Pepper, black, 180,000 lbs., New York Quartermaster Purchasing Office (New York 3) invitation 531, December 3.

Plastic filler, wood, 11,424 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-616, December 1.

Rubber solvent, 5,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 309, December 14; 3,000 gallons, invitation 308, December 14; 15,000 gallons, invitation 307, December 14.

Rust preventive, 5,500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 337, December 16; 100,000 lbs., invitation 298, December 13; 80,000 lbs., invitation 297, December 13,38, 500; gallons, invitation 314, December 14; 44,000 gallons, invitation 313, December 14; 4,000 gallons, invitation 336, December 16.

Scouring powder, 197,124 lbs., Veterans Administration (Washington 25) invitation 116-S, December 1.

Soap, shaving, 14,356 packages of eight one-pound cakes, and 3,660 one-ounce tubes, Veterans Administration (Washington 25) invitation 120-S, December 1; grit cake, 9,962¾ lbs., and powder, 533,650 lbs., invitation 116-S, December 1.

Sulphuric acid, concentrated, 112,500 lbs., Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 311, December 14.

Thinner, enamel, 100,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 323, December 15; 125,000 gallons, invitation 324, December 15; 65,004 gallons, invitation 327, December 15; 65,004 gallons, invitation 328, December 15; **lacquer,** 100,002 gallons, invitation 329, December 16; 80,000 gallons, invitation 330, December 16.

Trisodium phosphate, 100,000 lbs., Quartermaster Purchasing Office (New York 3) invitation 540, December 3.

Zinc oxide, dry pigment, 1,806,000 lbs., Aviation Supply Office (Navy Department, Philadelphia 11) invitation 3268, supplement 1, December 3.

Margarin Package Imitation Charged in Cudahy Suit

Imitation of its Delrich E-Z Color Pak margarin carton is charged by the Cudahy Packing Company in a suit against Standard Brands, Inc., in the United States District Court in Wilmington, Del. Restraint of the imitating and damages are asked on the grounds that buyers are deceived by the defendant's package with a consequent loss of sales of the complainant's product.

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OUTSTANDING OFFERINGS

1—Aluminum Tank, 12' x 18', welded construction, 15,000 gal.

2—Generators, 375 KVA and 200 KW.

15—Fitzpatrick Comminutors, model D, in stainless.

10—Mikro Pulverizers, Bantams, Nos. 1, 2, 3 and 4. Sweetland Filters, Nos. 5, 7, 10 and 12.

50—Heavy Duty Horizontal Jacketed Mixers with double arms, sigma or naben; geared both ends, tilting; 100 gal. working.

1—Readco Stainless Steel 142 gal. Double Arm Mixer, 20 H.P. motor.

Vacuum Shelf Dryers with and without accessories, Devine Nos. 9, 11, 23 and 31A; Buffalo Size C and D; Stokes Model 55-EE, and others.

1—Buffalo Stainless Steel Calandria type forced circulation; 900 sq. ft.

6—Good used Swenson, Devine and Buffalo single, double and triple effect Evaporators in copper tinned, cast iron with heresite lining and steel, accessories included.

1—New Triple Effect Long Tube Copper Evaporator —3,100 sq. ft. Total number of tubes 336.

10—J. H. Day Ro-Ball Sifters No. 82; two separations screen size 40"x120" with 3 H.P. motors.

1—Buffalo Stainless Extractor, single effect 7'6" 42", 900 sq. ft., forced circulation, ext. calandria type.

4—Pfaudler Glass Lined Vacuum Kettles, 500 gal., 2,500 gal. Jkt'd. or Unjkt'd., with agitators.

1—Pebble and Ball Mills, 24"x30", 36"x36", 36"x48", 6'x5' and 6'x8'.

10—Roller Mills, Lab. size to 18"x10", standard makes.

2—Bartlett & Snow Stainless Vac. Pan Dryers; 7'10"x2'11".

3—Lancaster Type EB64 Counter Current Stainless Batch Mixers.

2—Spencer Turbo Compressors in Stainless 1855 CFM.

1—Stainless 550 gal. Jacketed Agitated Vacuum Reactor.

1—Aluminum 1,300 gal. Jacketed Agitated Vacuum Reactor.

1—Baker Perkins 10 gal. Vac. Type Double Arm Jacketed Mixer.

6—Andersen Expellers; Duo, Super-Duo, RB's and No. 1.

5—Bartlett & Snow Indirect Heat Calciners with Thermalloy heating tube; size 2' x 13'.

2—Rotary Vacuum Dryers in Nickel; 3'x5' and 5' x 30'.

1—Brand New Girdler Volator in Stainless; 2 cylinder, 4".

1—A.T.&M. 40" Stainless Centrifugal Imperforate basket, bottom discharge; 40 H.P. Motor.

3—Monel and Stainless 30" Stainless Centrifugal Extractors.

1—Bird 48" Solid Bowl Steel Centrifugal, suspended type plow and solid bottom discharge.

1—Bird Continuous Centrifugal Filter, 36"x50".

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To handle approximately 35,000 CFM

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2—E. B. Badger all copper 28" x 26' high Continuous Columns, 40 plates each, 22—3" alloted boiling caps per plates. Each column complete with copper shell and tube preheater and copper shell and tube condenser. Each column complete with its own Panel Board consisting of recording controllers, rotameters, etc.

PEBBLE MILLS & GRINDERS

14—P. O. Abbe 36" x 42" Buhrstone and porcelain lined, tight and loose pulley drive, liquid discharge gate.

3—Colloid Mills, each directly connected to 2—Terry 10 HP 3000 RPM Steam Turbines.

PUMPS

Viking Gear Pumps—All iron with safety valves. All directly connected to Explosion proof Motors 3/60 220-440. Ranging from 1½" with 3 HP to 4" with 20 HP Motors.

SCALES

Approximately 30 Toledo Dial Scales, Portable, Bench and Floor type, range 500-3000 lbs.

TANKS

2—Stainless steel, each 350 gallon cap., belt driven propellor agitators.

30—Vert. and horiz., riveted and welded, from 2,000 gals. to 12,000 gals.

2—Blue enamel, 36"x38", 100 gal. ea. Belted on dished covers with 14" manhole, 3" bottom outlet, leg supports. One with enameled paddle agitator, belt driven.

MIXERS & COTTON CUTTERS

6—Steel Simplex Turbo Mixers, with bolted on covers, each with Turbo Mixer Drive 4R, Falk Motoreducer Ratio 6-1, and Louis Allis 15 HP 3/60 220-440 1760 RPM Explosion proof motor and starters, capacity each Mixer 325 gals.

3—Steel Simplex Turbo Mixers, welded on dished covers. Each with Turbo Mixer Drive 5R, Falk Motoreducer, Ratio 7-1, and L. A. 30 HP 3/60 220-440, 1750 RPM Explosion proof motor and starters, capacity each Mixer 950 gals.

4—Al-sop Hyspeed back geared Portable Agitators, ½ HP, 3/60 220-440, back geared 458 RPM—2 Steel Propellers, 48" shaft, explosion proof motors.

1—Baker Perkins 100 gal. working cap., jack., double geared, sigma blade, power tilting, motor driven. 40 HP GE 3/60 440.

2—J. H. Day 20 gal. Brighton Mixers, tight and loose pulley.

2—J. H. Day 40 gal. Change Can Mixers, tight and loose pulley.

1—Ross 50 gal. Mammouth Change Can Mixer, tight and loose pulley.

SOME OF THE PRINCIPAL ITEMS AT OUR NEWARK SHOPS

DRYERS

6 x 50 Louisville Rotary Steam Tube.
6 x 23 Hersey Rotary Hot Air.
3'6" x 28' Direct Heat Rotary.
5' x 33' Rotary Vacuum.
32" x 72" Buffalo Double Drum Atmospheric.
28" x 60" B&C Double Drum Atmospheric.
Buffalo Vacuum and J. P. Devine Vacuum Shelf, 40 x 42, 5, 6, 9 shelves.

CRUSHING & GRINDING, PULVERIZING

1—Raymond 5-roll High Side, complete with Motor accessories.
2—Raymond No. 000 Pulverizers.
1—Raymond No. 0000 Pulverizers.
1—Size B—Erie City Motor Driven Coal Pulverizer.
1—Raymond 4-roll High Side.
1—Jeffrey 24 x 20, type B, Hammer Mill.
1—Williams 2XX Roller Bearing Hammer Mill.
1—Micro 4TH 24".
1—JB No. 2 Hammer Mill.

MIXERS

2—Baker Perkins, Size 17, Jacketed, 200 gallon working capacity.
1—W & P, Size 16, Unjacketed, 150 gallon working capacity.
8—Baker Perkins, Size 15, Jacketed, 100 gallon working capacity.
1—W & P, Size 14, Unjacketed, 50 gallon working capacity.
1—W & P Size 12—Jacketed, 20 gallon working capacity.
1—3,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. Stedman Drum Mixer, Motor Driven.

CENTRIFUGALS

1—60" Tolhurst Copper Basket, belt-driven, center slung.
2—48" Troy Steel Basket V-Belt Motor Drive.
5—42" American Tool stainless steel, Direct Motor Driven.
8—40" American Tool, Copper Basket, belt driven, in Battery, with Mixer.

FILTERS

1—No. 12 Sweetland, 4" centers, iron or copper leaves.
1—No. 10 Sweetland, 2" centers, iron or copper leaves.
1—No. 5 Sweetland 2" centers, copper leaves.
1—8 x 12 Oliver Acid Proof.
2—8 x 12 Oliver all steel.
3—8 x 10 Oliver wood stave.
3—36" Sperry 60 plate cast iron, Recessed, center feed, open delivery, hydraulic closing.
4—30" Sperry Skeletons—gear closing.

KETTLES

3—5,500 gallon Steel Copper Coils, Closed, Agitated.
1—2,000 gal. Steel Jacketed, open top, Agitated.
4—1,200 gal. Steel Lead, coils, lead lined, Closed.
1—1,200 gal. Aluminum, Jacketed, Closed.
1—750 gal. Aluminum, Jacketed, Closed, Agitated.
1—700 gal. Steel Jacketed, open top, non-Agitated.
1—550 gal. Steel Jacketed, open top, non-Agitated.
1—500 gal. Aluminum, Jacketed, Closed, Agitated.
1—500 gal. Stainless Steel, Jacketed, Closed, Agitated.
2—500 gal. Stainless Steel Unjack. Closed Agitated.
1—200 gallon Steel Jacketed, open top, Agitated.

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8' dia. x 12' face Oliver Rotary Continuous Vacuum Filter, lead valve, lead covered drum heads, rubber covered oscillating agitator, lead lined trough, etc. For immediate shipment.

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1—Proctor & Schwartz Soap Chip Dryer, 3-section with late 2-roll 4' dia. Cooling rolls, 22" apron. Part of Liquidation of Soap Plant at Newark, N. J.

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1—J. H. Day "Hercules" 6 barrel heavy duty mixer.
1—J. H. Day "Imperial" 75 gallon—jacketed sigma blade tilting mixer.
1—Readco 100 gallon tilting jacketed heavy duty mixer.
4—24"x48" single ribbon and paddle dry powder mixers.
2—Sperry 24" C. I. one eye open delivery filter presses.
1—19½" dia. x 15" deep ⅝" thick stainless steel kettle with bolted cover. Capacity 16 gallons.
1—Western Bear Cat size 2A Shredder.
1—Gum crusher with 14"x14" hopper.
3—Lehmann 12"x30" five roller water cooled mills.
1—Lehmann 18"x48" five roller water cooled mill.
1—J. H. Day 16"x40" three roller water cooled mill.
1—Kent 12"x30" three roller water cooled mill.

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2—Dopp 1,000 gal. Jack. Agit. Kettles, Doppley Acid Resistant & Iron
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1—Lehman 4 Roll W.C. 12" x 36" Steel Mill 20 H.P. Motor.
3—Hardinge Conical Ball Mills, 4½' x 24" & 3' x 8".
4—Allbright-Nell 4' x 9' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers, Cookers & Dryers.
1—No. 12 Sweetland Filter, 71-36" copper leaves, hydraulic closing.
2—Hooger 42" dia. Monel Bubble Cap Column.
1—Buffalo Vac. Drum Dryer 24"x20".
1—Devine Vac. Shelf Dryer, 9—40"x 42" steam shelves, 6" spacings.
4—Pebble Mills 6' x 8', 54" x 48", 24" x 36" & 24" x 30".
2—Sperry 18" sq. Lead Filter Presses.
16—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
4—Shriver & Independ. Pl. & Fr. Wood Filter Presses, 18" x 24" sq.
Extra 36" Iron Sperry Plates & Frames.
8—Baker Perkins heavy duty Jacks. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Sprout Waldron 40" x 84" Single Deck Sifter, motor driven.
1—Orville Simpson 20" x 40" 2-deck Rotex Sifter & 40" x 80" Single.
1—Royle No. 2 Perfected Extruder.
2—Abbe No. 18 Bluteregess Sifters.
5—Tyler 38 Jr. Hummer Screens, 24" x 60".
1—Tyler Lab. Sieve Shaker ¼ HP.
6—Tolhurst 16" Suspended Type Centrifugals, Bottom Discharge. Also 16" Rubber-Lined.
5—Lehman & Kent 3-Roll Steel Mills, 3" x 9", 9" x 32", 12" x 30", 16" x 40".
2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia. Also ⅝", 1", 1⅛", also single punch.
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
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1—Huber 25 ton Para Block Press.
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11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
2—Manton Gaulin Stainless Steel Homogenizers, type 200 & 300.
Devine 800 & 1,000 gal. closed steel Kettles & Stills.
1—250 gal. lead-lined Kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
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8—Stokes & Day Powder Fillers.
1—Standard Knapp Can Labeler.
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8—Duriron 3" x 2" Centrif. Pumps.
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6—Pfaudler Glass-Lined Jack. Agit. Kettles, 350, 400, 500 gals.
28—Stainless Tanks, 100 to 3,000 gals.
1—Colton Hand Tube Filler.
6—Filling, Labeling, Cartoning & Wrapping Machines.
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1—New Patterson 8-gal. Jar Mill.
1—Abbe 2 Jar Mill, 2 gal. Jars.
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1—J. H. Day, stainless steel Jumbo jacketed horizontal Batch Mixer, 1,490 cu. ft.
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2—3TH, 2TH Mikro Pulverizers.
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2—Baker Perkins Double Arm Mixers, 50 gals.
5—Sperry Filter Presses, 24", 30", 36".
3—Sperry 42"x42" aluminum Plate and Frame Filter Presses.
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3—No. 6 Super Centrifuges.
5—S&S, Rogers, Powder Fillers.
30—Stokes Single Punch and Rotary Tablet Machines, DD2, D1, BB, B, F, R.
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Stainless Steel Tanks, new, 100 and 200 gal. dished bottoms with stands.
20—Steam Jacketed Kettles, stainless steel and aluminum 30 to 250 gal. cap.
1—36" Stainless Klein Filter & Slurry Feeder—new.
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Sterilizers 18x18 and 24x27 with clamp-down covers and safety valves.
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Baker Perkins and Readco Heavy Duty 100-150 gallon Double Arm Mixers.

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Kent and National Equipment, 3-Roll Mills, 16" x 40" size.

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Stokes and Colton Late Style Rotary Tablet Machines.

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3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
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PONY MIXERS from 2½ gallons to 40 gallons.
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10—New portable tanks on wheels, size 36 x 36, for change can mixers.

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1—Pfaudler 200 gal. Jack. Kettle 75 lb. Jacket.
1—Glasscote 300 gal. Pressure Kettle.
1—Glasscote 250 gal. Jack. Kettle 75 lb. Jacket.
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19—Pfaudler 200 and 600 gal. Open Top Tanks.
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All Chemical Glass

10—Porcelain Lined Pebble Mills, 24" x 24" & 24" x 36".
3—Day & Ross 40 gallon Pony Mixers.
2—Abbe 6' x 8' Buhrstone Lined Pebble Mills.
2—Hardinge Mills, 36" x 8" and 4½' x 24".
3—Vertical Steel Reactors, 1100 gals., 30 lb.
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5—Atmos. Double Drum Dryers, 24" x 36", 32" x 90" and 48" x 120".
4—Vacuum Drum Dryers, 24" x 20" and 5' x 12' Chrome Drum.
6—Single Door and Double Door Vacuum Shelf Dryers, 18" x 18", 40" x 44" and 59" x 78".
1—Charlotte Stainless Steel Colloid Mill, 25 H.P., 3 Ph. Motor.
2—Day Jack. Mixers—D.A. 35 gal. and 50 gal. Sigma Blades.
2—Rotex Screens, 20" x 84" and 40" x 72".
1—New 25,000 gallon Rubber Lined Tank.
8—Horiz. Spiral Powder Mixers, 400 lb. to 3500 lb. cap.

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1—Fitzpatrick Comminuting machine, Stainless Steel, Model D, with 5 HP Motor.
1—J. H. Day Mogal Kneading & Mixing Machine, with 10 HP Motor, Size 5.
1—Baker Perkins Jacketed Mixer, 2,000 gallons.
2—Thropp 2-roll Rubber Mills, 16"x42".

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AGITATORS—MIXERS
7—Heavy duty, double arm, jktd., tilting, 50 to 250 gal. wkg. cap.
1—Heavy duty, double arm, jktd., tilting, 200 gal. wkg. cap., stainless.
4—Single arm Paste: 50 to 500 lb.
9—Ribbon type Powder: 200 to 3,500 lb.
11—Conical Blenders: 25 to 500 lb.
14—Side Entering: 6" to 18" dia. prop.
15—Portable: ¼ HP to 1 HP.
1—Lancaster Intensive, No. EAG-4, 59" dia. encl. bed, stainless, 10 HP mot. & elev.
1—Aluminum, 50 gal., jktd., 60 lb. int. pr.

DRYERS
1—P & S Tray, 1,030 sq. ft.
3—Double Drum, atm., 22" x 38".
1—Louisville Rot. Steam Tube, 5'6" x 30'.

FILTERS
1—Sweetland No. 10, 2" cent., bronze lvs.
1—Rotary Vac. 8' x 8', rubber & lead cov.
1—Rotary Vac. 8' x 6', stainless.
1—Rotary Vac. 6' x 3', steel.
1—P&V, cast iron, 24".
1—P&F, bronze, 30".
2—P&F, wood, 36" and 12".
4—Rec. Plate, C.I., 36" & 30".
7—Pot type, stainless, 1 & 3 sq. ft.
12—Stone, 5, 10 & 20 GPM.
8—Pressure leaf type, to 250 sq. ft.

MILLS—PULVERIZERS
3—Ross & Kent 3-roll, 16" x 40".
2—Thropp 2-roll, 16" x 30".
2—Colloid: U.S. & Premier, 6" stnls.
4—Ball: Abbe 6' x 8', 36" x 12"; Hardinge Conical 1'6" x 24".
2—Hammer: Williams No. 1.
8—Attrition: Robinson 22"; Bauer 24"; Sprout Waldon 16", 20", 30".
1—Mikro No. 1 Pulverizer.
6—Schutz O'Neill Pulv., 16", 22", 28".

TANKS
50—Stainless, open top, 30 to 500 gal.
4—Stainless, closed, 1,000 & 2,500 gal.
1—Stainless, rectang. open, 1,000 gal.
1—Stainless, horiz., 6,000 gal., agit. & jktd. & insul.
20—Pfaudler glass-lined horiz., 5,000 to 19,000 gal. cap.
18—Glass lined: 50 to 3,000 gal.
16—Copper: 8,000 to 11,000 gal.
25—Copper: 20 to 1,000 gal.
29—Aluminum: 100 and 150 gal.
19—Wood: 3,600 to 13,000 gal.
95—Steel & Iron: 30 to 1,700,000 gal.

MISCELLANEOUS
2—DeLaval Centrifuges, No. 600.
4—Sharples Centrifuges, 16P, 18V.
12—Tubular Condensers to 3,800 sq. ft.
12—Stainless Kettles, 100 lb. jkt. press: 50, 100, 150, 200, 300, 500 gal.
10 Kettles, 40 lb. jkt. press: aluminum, copper, stainless clad, 30 to 105 gal.
8—Duriron Cent. Pumps, 90 GPM, 45'.
1—Nash Glass Cent. Pump, ¾ x 1.
2—Vacuum Stills, 100 gal., jktd. & agit.
3—Water Stills, 30 & 250 GPH.
3—Stainless Gate Valves, 4".

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Edible Oil Institute

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maintaining cooperation within the industry and between the industry and governmental departments and trade and technical organizations, the institute plans to maintain an analytical laboratory for its members, to collect and disseminate business and technical information and to review the labeling, advertising and marketing practices of its members in the light of current regulations.

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AGENCIES WANTED

Export agency wanted by experienced Chemical concern with excellent foreign contacts. Manufacturers of chemicals, intermediates, dyes, dry colors, pigments and pharmaceuticals can get a good share of potential export business. Correspondence solicited. OPD 252.

EQUIPMENT OFFERED

Complete bottling line for drugs or cosmetics. International semi-automatic filler; Resina capper; Pony labelers. Will sacrifice. OPD 245.

Two 200 gallon full jacketed cast-iron kettles with agitators. One 300 gallon full jacketed cast-iron kettle. One FM-1-30 New Syntron vibratory feeder. One 30 gallon autoclave, 500 lbs. pressure. Allied Steel & Equipment Co., 1007 Springfield Ave., Irvington, N. J.

Two—copper tanks ¼ in. copper 2,000 gallon each, last used for storage of gin; 2—5 roll soap chipping machines; 2—150 horse power return tubular boilers; 2—1,000 gallon capacity churns; 2—Electric motors; 4—small steam engines; 1—7, 1-10, 2-15 horse power; 1—1,000 gallon mixing tanks; 1—500 gallon mixing tank; 1—Compressor motor and tank; 2—Blowers; 6—steam pressure cookers; 3—3 000 gallon vertical tanks, cone bottom. For particulars contact Cochrane Chemical Co., 151 Main Street, Matawan, N. J. Telephone MAtawan 1-2400.

Three conveyors, screw-type, 7 ft., 2 in., stainless steel, complete with hopper, reduction unit and 1½ H.P. G.E. motors, mfg. Vodinson. Units are new and will sell below cost. General Merchandise & Equipment Company, Box 18, Sharon, Pa.

EQUIPMENT WANTED

Rubber-lined centrifuge, 40-48 in., bottom discharge, plow, direct-motor drive. OPD 241.

Bird continuous centrifuge, 24 in. wanted. OPD 242.

Wanted spray dryer usable for egg or milk drying. Evaporation rate 600 lbs. water per hour. OPD 247.

FOR SALE

300 gross squat 1 oz. opal jars and black lug caps. 51 mm finish. Will sacrifice. OPD 244.

MATERIALS OFFERED

11,000 lbs. Plastalloy, grade 8B plastic material chloride acetate, granular, thermoplastic, used as a molding compound for tooling form blocks, patterns, etc.; 30,684 lbs. Plaskon waterproof glue, white powdered; 10;000 lbs. Plaskon waterproof urea-formaldehyde resin glue; 5,025 lbs. hexachlor benzene, white powdered (Hooker Electrochemical); 2,929 lbs. plasticizer (Bechapol), 910 lbs. Reogen plasticizer (R. T. Vanderbilt Co.); 12,400 lbs. resin compound (American Cyanamid Co.); 1,400 lbs. Zin-o-lyte brightener and addition agent (DuPont). General Merchandise & Equipment Company, Box 18, Sharon, Pa.

For sale: 700,000 pounds black Argentine rapeseed and 150,000 pounds sweet German rapeseed. This seed has been cleaned twice, is sweet, dry and 99 percent pure or better. Write to Joseph Caplan, Weldon, Saskatchewan, Canada.

MATERIALS OFFERED

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MATERIALS WANTED

Solvents—Large eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blends; minimum units 500 gallons. For specifications and other details, write. OPD 233.

Will purchase your surplus chemicals, solvents, oils, waxes, etc. Highest prices paid. Our rating $500,000. OPD 188.

Propylene glycol:—Wish to purchase any quantity available. John Clarke Co., Inc., 135 Front Street, New York 5. WHitehall 3-6430.

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PLANTS OFFERED

For Sale—Well equipped wood finishing material plant in North Carolina. Fair amount established lacquer, stain and filler business showing good profit. If desired, owner will stay for reasonable period. OPD 243.

Paint plant for sale — Established 30 years, manufacture a complete line of industrial and architectural paints. Located in Massachusetts. Owner desires to retire. Address OPD 251.

PLANTS WANTED

Wanted — Complete plants, also machinery — Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets, (3) machinery and equipment, whole or in part. Personnel retained where possible, strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS VACANT

Market research and statistical analyst: Permanent position in the Detroit area. Degree in chemistry or chemical engineering. Also, degree in business administration or considerable training or experience in the fields of statistics and economics. OPD 236.

Wanted: Sales executive with chemistry background and broad sales experience, preferably about 35 years old, to assist president of New York City raw materials concern, assuming full charge of sales to industrial trade. OPD 246.

POSITIONS WANTED

Chemical sales: Woman assistant to sales executive, college graduate, 10 years business experience includes chemical sales office administration, handling order, traffic, record, correspondence; customer and sample follow-up, promotion, advertising, training personnel. Available January 1, N. Y. location. Excellent references. OPD 229.

Manager with extensive buying and selling experience in chemicals, pharmaceuticals, biologicals, crude drugs. Import and export. Seeks position with first class firm, full or part time. Excellent references. OPD 250.

SODIUM LEASE

United States Department of the Interior, bureau of Land Management, Washington 25, D. C. Notice is hereby given that the 10 acre tract of land, known as the "Little Placer," namely the SW¼SW¼NE¼ sec. 24, T. 11 N., R. 8 W., S.B.M., California, is offered for sodium lease by sealed bids at a mininum bid of $40.000 on the terms hereinafter specified, to qualified bidders of the highest cash amount as a bonus for the privilege of leasing the land under section 24 of the act of February 25, 1920 (41 Stat 447, 30 U.S.C. sec 262), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m., Eastern Standard Time, December 22, 1948. Each bidder must submit with the bid one-fifth of the amount bid in cash or by certified check or money order made payable to the order of the Treasurer of the United States and file the showing of qualifications to receive a lease required under 43 CFR 195.24 (b), as amended. The envelopes should be plainly marked "Bid for sodium lease not to be opened before 1 p.m., Eastern Standard Time, December 22, 1948." No bid received after the hour specified herein for receiving bids will be considered. No bid submitted by or on behalf of any of the defendants or officers or directors of any of the defendants named in the anti-trust proceedings initiated by the United States of America against Borax Consolidated, Ltd., et. al., in the United States District Court for the Northern District of California, Southern Division (Civil Action No. 23690-G and Criminal No. 23900-S), or against American Potash and Chemical Corporation, et. al., in the United States District Court for the Southern District of New York (Civil Action No. 8-498), or by any holder of a controlling interest in the stock of any of the defendant companies or any company in which the defendants hold a controlling interest, will be considered. Terms of lease: (1) A royalty payment of 10 percent of the quantity or gross value of the output of sodium compounds and other related products at the point of shipment to market, which royalty shall not be less than $2.00 a tou of 2,000 pounds of ore hoisted; (2) A minimum investment of $250,000 during the first three years of the lease, but ownership by the successful bidder of the Western Borax Mine property (S½ sec. 24, T. 11 N., R 8 W., S.B.M.) will be accepted in satisfaction of this investment requirement, if the leased lands are operated through facilities existing on that property and if that property is by mutual agreement made subject to the operating regulations approved June 2, 1927 (30 CFR, chap. II, part 231); (3) A minimum annual production to a value of not less than $10,000 a year commencing with the fourth lease year and (4) A bond in the sum of $5,000. A lease, if issued, shall contain a provision that the lessee shall not discriminate against any employee or applicant for employment because of race, creed, color or national origin and shall require an identical provision to be included in all subcontracts. Prior to the issuance of a lease, the successful bidder must pay the remainder of his bid, the annual rental at the rate of 25 cents an acre for the first lease year, and furnish lease forms and a satisfactory bond in the amount specified herein (43 CFR 195.20). Upon acceptance of the successful bid, the deposits of the other bidders will be returned. Bidders are warned against violation of section 59, U. S. Criminal Code, approved March 4, 1909, prohibiting unlawful combination or intimidation of bidders. The right is reserved to reject any and all bids. The bonus bid and all moneys received as rental and royalties under the lease, or otherwise, for sodium deposits extracted from the land will be deposited in a special trust fund in the Treasury, under 31 U.S.C. sec 725r, pending the final judgment in the cases of Burnham Chemical Company v. Julius A. Krug, et. al., Civil Action No. 1379-47 and the West Coast Exploration Company v. J. A. Krug, Civil Action No. 1118-48, both in the United States District Court for the District of Columbia. Marion Clawson, Director

Drugs and Fine Chemicals

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percent in recent weeks and in early November were about the same as a year ago.

Penicillin—The bulk quantities of penicillin in its various forms were reduced in price by ½c. per 100,000 units in a price movement which had by last week become virtually universal, as major producers moved to meet competition.

Current quotations on calcium Romansky bulk quantities of 500,000,000 to 5,000,000,000 units were in the range of 7½c. to 8½c. per 100,000 units. Similar quantities of potassium penicillin G were quoted on the same basis at 9½c. to 10c., while the crystalline sodium and the procaine G were quoted at 10c. to 10½c. per 100,000 units. Procaine penicillin G in oil in 10 cc vials unlabeled were quoted in bulk to distributors at a new low of $3.60 per vial. Supplies were abundant, giving rise to a competitive situation in which prices have in recent months been moving downward.

Silver Salts—The accumulated price drops in silver bullion during the last two weeks resulted in a lowering of the price structure on silver cyanide by 1⅝c. per ounce and on silver nitrate by 1½c. per ounce. September production of silver nitrate amounted to 3,599,000 ounces, compared to the revised figure for August of 2,812,000 ounces in August, according to the Bureau of Census.

Sodium Benzoate — Demand for this material was currently moderate. Prices were firm at 46c. per pound for 2 ton lots and 47c. to 50c. for smaller quantities of the USP material. Market conditions were said to be such that no immediate change in price was to be expected.

Sugar—The production and marketing administration of the Department of Agriculture reported the distribution of sugar in 100 pound bags in September as follows: 8,867,257 from cane sugar refiners; 2,033,964 from beet sugar processors; 663,351 from importers of direct consumption sugar; and 42,326 from mainland mills.

Distribution for the week ended November 13 in terms of short tons on a raw value basis amounted to 99,039 short tons from refiners, 23,292 from beet processors, 6,719 from importers, and 2,164 from mainland cane mills. This brought the total for the week to 131,214 short tons.

Sulphabenzamide — The price of both sulphabenzamide and sulphabenzamide-sodium was advanced 25c. per pound. This brings current quotations to $4.25 per pound in quanties of 100 pounds or more per shipment, f.o.b. factory.

Streptomycin — The supply position of this material over recent weeks has shown a gradual improvement, and it could be said that there were no vital domestic needs for it which were not being filled. Larger amounts were becoming available for export, and the former tight supply position of some months ago was expected to remain a thing of the past in view of the greatly expanded production facilities now in operation. Prices were unchanged from levels set in the mid-summer.

PRESSURE TANK

1-10′ dia. x 25′ long jacketed steel pressure tank, shell ¾″, bottom 1″ thick, 100 lbs. W. P.

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10—Powder Mixers from 100 to 200 pounds.
6—Abbe, Patterson Ball and Pebble Mills, 30″ x 30″ and 4′ x 5′, MD.
6—Colton Rotary Tablet Presses, ½″ dia.
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Pebble Mills: 6x5′, 5x4′, 4x5′, 18x24″.
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Mixer: W. & P., 100 gallon, jacketed.
Vacuum Mixer: W. & P., 20 gal.
Mixers Day: 80 gal. Brighton.
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Fillers: Tube-Jar, hand and motor dr.
Fillers: Stokes & Smith, Triangle.
Tablet Machine: Colton single, No. 4.
Filter Presses: 24″ cast iron, 30″ alum.
Colloid Mill: Premier 5″, 5 h.p.
Kettles: Stain. Steel, all sizes. (New).
Powder Mixers: 600, 1,000, 1,500, 2,000 lb.
Shelf Dryer: Devine No. 12, 20 shelf.
Labelers: Bottle and Can.
Mixers: 3-speed Hobart, Read, Glen.
Filter Press: 24″ wood plate and frame.
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Mica Standardization Taken Up in India

The committee on mica standards of the Indian Standards Institution at its organization meeting in Calcutta, discussed in detail the various implications of standardization of mica with relation to its export importance as a raiser of dollars. The group, which is headed by Chandmull Rajgarhia, decided to explore all aspects of gradings by size and quality.

The assignment of the secretariat of the international committee of the International Organization for Standardization (I.S.O.) to India was accepted by the mica committee, and a draft of scope of work for international standardization was drawn up for consideration by all the twenty-six national standards bodies which are members of I.S.O. V. P. Sondhi, deputy director of the Geological Survey of India, has been assigned the task of procuring full information regarding standard samples from all interested countries whether producing or consuming large quantities of mica.

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6—10,000 CFM 1.9" SP, Everdur Blades, Type R. Buffalo.
1—5750 CFM 7½" SP, American.
3—3300 CFM ¾" SP with motors.
6—1200 CFM 13.9" SP with motors.
3—1000 CFM ⅜" SP with motors.

COMPRESSORS—AIR
8—Chicago Pneumatic, 12"x10" NSB, 266 CFM, 100 lb. pressure.

CONVEYORS—BELT
24" Flat 30' centers and drive.
24" Troughing 20' centers and drive.
18" Troughing 22' centers and drive.
30" Troughing 80' centers, S.S. Belt with reducer and 5 HP TEFC Motor.

CRUSHERS
2-roll 3⅜"x10½" with rect. teeth.
2-roll spiked Bartlett & Snow. NEW.
Single roll 18"x24" Pennsylvania.
Single spiked roll 10"x20".
Jeffrey Swing Hammer Pulv., 36"x24", type A-2, with 50 HP, TEFC Motor.
Gruendler, Jaw, 10"x16".

MILLS
Stedman, 4-cage, 36" with motors.
Mikro Pulverizer No. 2 belt driven.
Day 3-roll 16"x40" Ink Mill.
Raymond, 3-roll, low side.

MIXERS
Blystone, heavy duty, 4'x6' with motors.
Readco No. 1½ SA, motor driven.
Champion No. 2 Type E, motor driven.
Champion No. 3 Super Ajax, w/motor.

REDUCERS
1—DeLaval 70 HP, 1800 RPM, 14½-1.
2—Cleve. 55 HP, 1800 RPM, 3½-1.
2—Cleve. 50 HP, 1800 RPM, 5-1.
1—Farrell 20 HP, 1200 RPM, 10-1.
1—Cleve. 20 HP, 1800 RPM, 6-1.
1—Phila. vert. 15 HP, 1800 RPM, 24½-1.
1—Cleve. 15 HP, 1800 RPM, 5¼-1.
(Other Reducers available from 1½-10 HP)

TANKS
5000 gal. hor. 6'1"x24'x½".
5000 gal. hor. 6'x23'7"x5/16" (NEW).
4000 gal. hor. 6'x20'x5/16" (2 NEW).
3500 gal. hi-chrome 77"x10'x⅜".
2300 gal. hor. 5'x15'x½".
750 gal. vert. 5'x8'x½" open.

MISCELLANEOUS
Agitator—New, anchor type, glass covered, bevel gear drive.
AUTOCLAVE—Vert., jacketed, SS lined, 6'x7'—11⅞"x11/16" shell, 40 lb. W.P., ASME U-69.
Motors—Large quantity NEW Gear Motors and X.P. from ½-75 HP.
Weighing Machine—Automatic, model N-P, weighs from ¼ oz. to 3 lb. w. motor.

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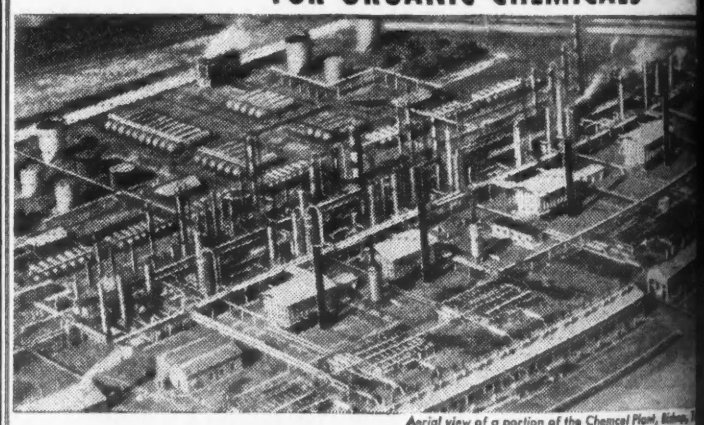

Aerial view of a portion of the Chemcel Plant, Bishop,

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